

# SN54SC6T17-SEP Total Ionizing Dose (TID) Report

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## ABSTRACT

This report discusses the radiation characterization results of the SN54SC6T17-SEP hex schmitt-trigger buffer with integrated translation. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) to 30krad(Si). Radiation Lot Acceptance Testing (RLAT) was performed using five units at a dose level of 30krad(Si) per MIL-STD-883 TM 1019. All future wafer lots will be tested under the same conditions.

The SN54SC6T17-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43MeV-cm<sup>2</sup> / mg, which makes the device an option for low Earth orbit space applications.

For full total ionizing dose characterization results, see [SN54SC6T07-SEP Total Ionizing Dose \(TID\) Report](#).

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## Trademarks

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## 1 Device Information

The SN54SC6T17-SEP device contains six independent buffers with Schmitt-trigger inputs. Each gate performs the Boolean function  $Y = A$  in positive logic. The output level is referenced to the supply voltage (VCC) and supports 1.8V, 2.5V, 3.3V, and 5V CMOS levels.

The input is designed with a lower threshold circuit to support up translation for lower voltage CMOS inputs (for example 1.2V input to 1.8V output or 1.8V input to 3.3V output). Additionally, the 5V tolerant input pins enable down translation (for example, 3.3V to 2.5V output).

### 1.1 Device Details

[Table 1-1](#) lists the device information used for TID HDR characterization and qualification.

**Table 1-1. Device and Exposure Details**

TID HDR Details: up to 30krad(Si)	
TI Device Number	SN54SC6T17-SEP
Package	14-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	2208586RFB
A/T Lot Number and Date Code	3273122ML3 / 33AHEFK
Quantity Tested	12 irradiated devices + four control
Lot Accept or Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	10 krad(Si), 20 krad(Si), 30 krad(Si), 50 krad(Si)
HDR Dose Rate	191.54rad(Si)/s ionizing radiation
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

## 2 Total Dose Test Setup

### 2.1 Test Overview

The SN54SC6T17-SEP samples were irradiated at a high dose rate of 191.54rad(Si) / s up to 30krad(Si) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The samples were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

### 2.2 Test Description and Facilities

The SN54SC6T17-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at a TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 191.54rads(Si) / s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

### 2.3 Test Setup Details

The devices were tested in biased conditions as described in the following sections.

#### 2.3.1 Bias Diagram

Figure 2-1 shows the bias conditions for each pin during irradiation.

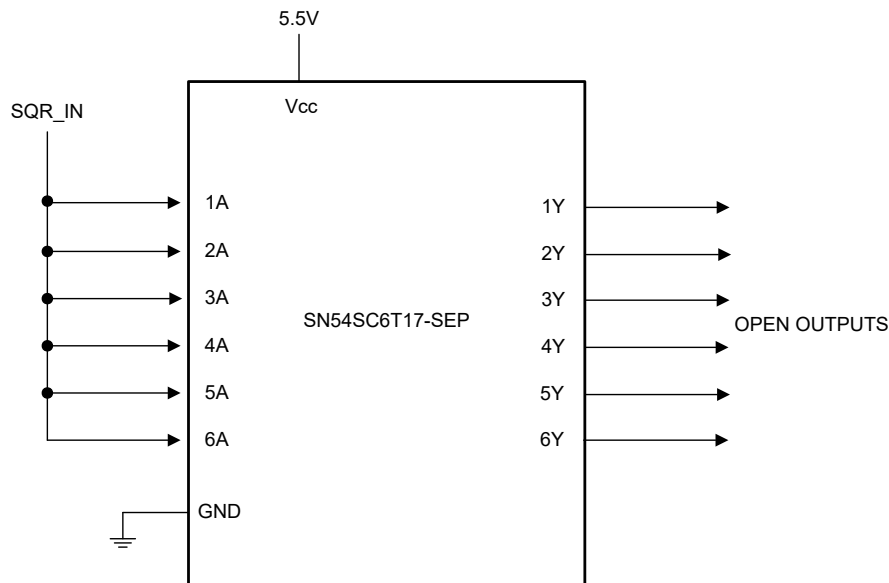


Figure 2-1. SN54SC6T17-SEP Biased Diagram

## 2.4 Test Configuration and Condition

The RLAT units were irradiated to 30 krad(Si), parametrically tested on ATE, and then were annealed at 25°C for 72 hours. The units were then put through parametric testing once more on the ATE. An additional six units were irradiated to 30 krad(Si) without anneal, for reference.

[Table 2-1](#) lists the serialized samples used for TID Radiation Lot Acceptance Testing (RLAT).

**Table 2-1. HDR Device Information**

<b>Control Group</b>	<b>HDR = 191.54rad(Si) / s</b>	
<b>Total Samples: 4</b>	<b>Total Samples: 12</b>	
	<b>Exposure Levels</b>	
0krad (Si)	30krad(Si)	
Biased	Biased	Biased + 50 hour anneal
1 - 4	5 - 10	11 - 16

## 3 TID Characterization Test Results

### 3.1 TID Characterization Summary Results

The parametric data for the SN54SC6T17-SEP passes to 30krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC6T17-SEP showed a strong degree of hardness to HDR TID irradiation up to 30krad(Si). The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters.

See [Section 5](#) for HDR report up to 30krad(Si).

### 3.2 Specification Compliance Matrix

**Table 3-1. Electrical Parameters Table**

Parameter	Test Conditions	V <sub>CC</sub>	T <sub>A</sub> = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
V <sub>T+</sub> 1	Positive-going input threshold voltage	1.2V to 1.3V	0.31	0.655	1.1	V	VTP_1P2V
		1.65V to 2V	0.39	0.915	1.32		VTP_1P65V, VTP_2V
		2.25V to 2.75V	0.51	1.09	1.51		VTP_2P25V, VTP_2P75V
		3V to 3.6V	0.65	1.2	1.7		VTP_3V, VTP_3P6V
		4.5V to 5.5V	0.87	1.51	2.16		VTP_4P5V, VTP_5P5V
V <sub>T-</sub> 1	Negative-going input threshold voltage	1.2V to 1.3V	0.11	0.349	0.622	V	VTN_1P2V
		1.65V to 2V	0.18	0.455	0.666		VTN_1P65V, VTN_2V
		2.25V to 2.75V	0.25	0.545	0.74		VTN_2P25V, VTN_2P75V
		3V to 3.6V	0.33	0.635	0.85		VTN_3V, VTN_3P6V
		4.5V to 5.5V	0.45	0.755	1.14		VTN_4P5V, VTN_5P5V
ΔV <sub>T</sub> 1	Hysteresis (V <sub>T+</sub> - V <sub>T-</sub> )	1.2V to 1.3V	0.081	0.29	0.77	V	DELTAVT_1P2V
		1.65V to 2V	0.21	0.43	0.88		DELTAVT_1P65V, DELTAVT_2V
		2.25V to 2.75V	0.25	0.54	0.91		DELTAVT_2P25V, DELTAVT_2P75V
		3V to 3.6V	0.31	0.63	0.91		DELTAVT_3V, DELTAVT_3P6V
		4.5V to 5.5V	0.43	0.75	1.1		DELTAVT_4P5V, DELTAVT_5P5V
V <sub>IH</sub>	High-level input voltage	1.2V to 1.3V	0.78			V	VIH_1P2V, VIH_1P3V
		1.65V to 2V	1.1				VIH_1P65V, VIH_2V
		2.25V to 2.75V	1.28				VIH_2P25V, VIH_2P75V
		3V to 3.6V	1.45				VIH_3V, VIH_3P6V
		4.5V to 5.5V	2				VIH_4P5V, VIH_5P5V
V <sub>IL</sub>	Low-level input voltage	1.2V to 1.3V			0.18	V	VIL_1P2V, VIL_1P3V
		1.65V to 2V			0.51		VIL_1P65V, VIL_2V
		2.25V to 2.75V			0.65		VIL_2P25V, VIL_2P75V
		3V to 3.6V			0.75		VIL_3V, VIL_3P6V
		4.5V to 5.5V			0.8		VIL_4P5V, VIL_5P5V
V <sub>OH</sub> 2	I <sub>OH</sub> = -50μA	1.2V to 5.5V	V <sub>CC</sub> -0.2			V	VOH_N50UA_1P65V, VOH_N50UA_2V, VOH_N50UA_2P75V, VOH_N50UA_3P6V, VOH_N50UA_4P5V, VOH_N50UA_5P5V
	I <sub>OH</sub> = -1mA	1.2V	0.8				VOH_N1MA_1P2V
	I <sub>OH</sub> = -2mA	1.65V to 2V	1.21				VOH_N2MA_1P65V, VOH_N2MA_2V
	I <sub>OH</sub> = -3mA	2.25V to 2.75V	1.93				VOH_N3MA_2P25V, VOH_N3MA_2P75V
	I <sub>OH</sub> = -5.5mA	3V to 3.6V	2.49				VOH_N5P5MA_3V, VOH_N5P5MA_3P6V
	I <sub>OH</sub> = -8mA	4.5V to 5.5V	3.95				VOH_N8MA_4P5V, VOH_N8MA_5P5V
	I <sub>OH</sub> = -24mA	4.5V to 5.5V	3.15				VOH_N24MA_4P5V, VOH_N24MA_5P5V

**Table 3-1. Electrical Parameters Table (continued)**

Parameter	Test Conditions	V <sub>CC</sub>	T <sub>A</sub> = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
V <sub>OL</sub>	I <sub>OL</sub> = 50μA	1.2V to 5.5V			0.1	V	VOL_50UA_1P65V, VOL_50UA_2V, VOL_50UA_2P75V,VOL_50UA_3P6V, VOL_50UA_4P5V, VOL_50UA_5P5V
	I <sub>OL</sub> = 1mA	1.2V			0.2		VOL_1MA_1P2V
	I <sub>OL</sub> = 2mA	1.65V to 2V			0.25		VOL_2MA_1P65V, VOL_2MA_2V
	I <sub>OL</sub> = 3mA	2.25V to 2.75V			0.2		VOL_3MA_2P25V, VOL_3MA_2P75V
	I <sub>OL</sub> = 5.5mA	3V to 3.6V			0.25		VOL_5P5MA_3V, VOL_5P5MA_3P6V
	I <sub>OL</sub> = 8mA	4.5V to 5.5V			0.35		VOL_8MA_4P5V, VOL_8MA_5P5V
	I <sub>OL</sub> = 24mA	4.5V to 5.5V			0.75		VOL_24MA_4P5V, VOL_24MA_5P5V
I <sub>CC</sub>	V <sub>I</sub> = V <sub>CC</sub> or GND, I <sub>O</sub> = 0	1.2V to 5.5V		2	93	μA	ICCH_5P5V, ICCL_5P5V
ΔI <sub>CC</sub>	One input at 0.3V or 3.4V, other inputs at V <sub>CC</sub> or GND	5.5V			1.5	mA	DELTAICC_5P5V
	One input at 0.3V or 1.1V, other inputs at V <sub>CC</sub> or GND	1.8V			68	μA	DELTAICC_1P8V
I <sub>OZ</sub> 3	V <sub>O</sub> = V <sub>CC</sub> or GND	5.5V			±2.5	μA	IOZ
I <sub>I</sub>	V <sub>I</sub> = 0V to V <sub>CC</sub>	V <sub>I</sub> = 0V to V <sub>CC</sub>			±1	μA	I <sub>IH</sub> _5P5V, I <sub>IL</sub> _5P5V

1. Schmitt-trigger input devices only.
2. Push-pull output devices only.
3. Tri-state output devices only.

## 4 Reference Documents

Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found on the DLA website.



## 5 Appendix: HDR TID Report Data

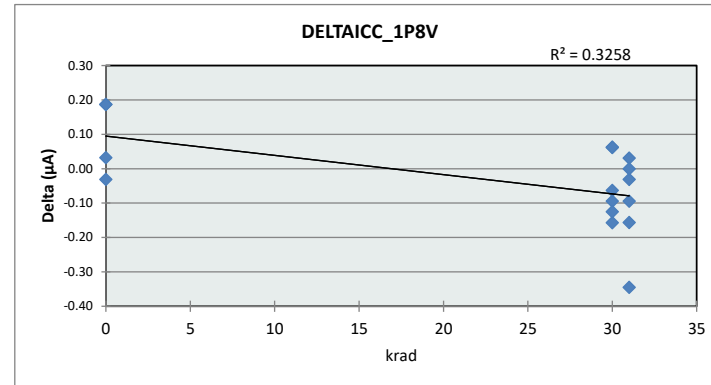
This appendix provides the SN54SC6T17-SEP TID HDR report. The report shows the variation for each parameter up to 30 krad(Si).

# TID Report

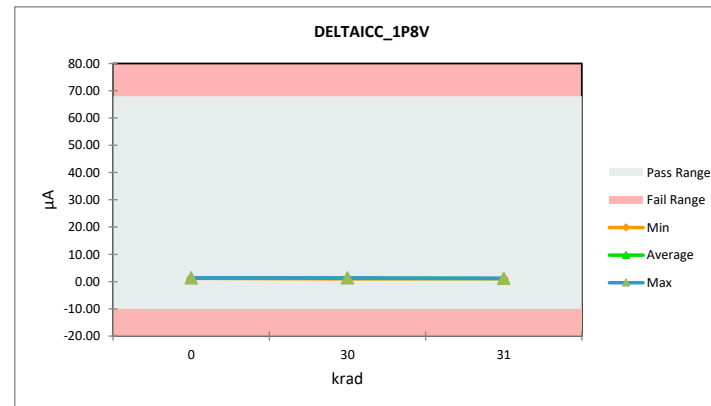
## SN54SC6T17-SEP

DELTAICC_1P8V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	µA
Max Limit	68
Min Limit	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.226	1.195	-0.03	-2.53%	0.04%
0	2	1.226	1.258	0.03	2.61%	0.04%
0	3	1.164	1.351	0.19	16.07%	0.24%
0	4	1.164	1.351	0.19	16.07%	0.24%
30	5	1.070	0.976	-0.09	-8.80%	0.12%
30	6	1.289	1.351	0.06	4.81%	0.08%
30	7	1.477	1.320	-0.16	-10.63%	0.20%
30	8	1.195	1.070	-0.13	-10.46%	0.16%
30	9	1.101	1.038	-0.06	-5.72%	0.08%
30	10	1.226	1.289	0.06	5.14%	0.08%
31	11	1.070	1.101	0.03	2.90%	0.04%
31	12	1.289	1.195	-0.09	-7.29%	0.12%
31	13	1.477	1.132	-0.35	-23.36%	0.44%
31	14	1.195	1.164	-0.03	-2.59%	0.04%
31	15	1.101	1.101	0.00	0.00%	0.00%
31	16	1.226	1.070	-0.16	-12.72%	0.20%
Max		1.477	1.351	-0.13	16.07%	0.44%
Average		1.219	1.185	-0.03	-2.28%	0.13%
Min		1.070	0.976	-0.09	-23.36%	0.00%
Std Dev		0.122	0.123	0.00	10.34%	0.11%



DELTAICC_1P8V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	µA			
Max Limit	68			
Min Limit	-10			
LL		-10.00	-10.00	-10.00
Min		1.20	0.98	1.07
Average		1.29	1.17	1.13
Max		1.35	1.35	1.20
UL		68.00	68.00	68.00

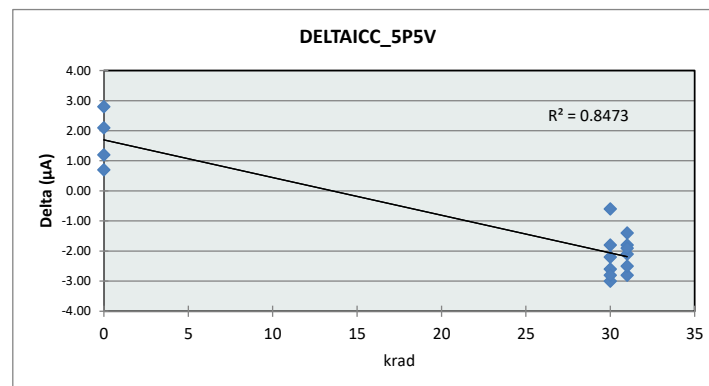


# TID Report

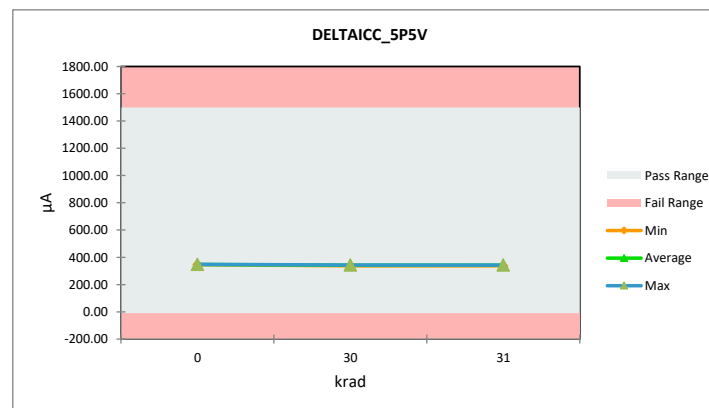
## SN54SC6T17-SEP

DELTAICC_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	µA
Max Limit	1500
Min Limit	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	347.100	347.800	0.70	0.20%	0.05%
0	2	345.500	348.300	2.80	0.81%	0.19%
0	3	345.200	346.400	1.20	0.35%	0.08%
0	4	345.000	347.100	2.10	0.61%	0.14%
30	5	344.700	342.900	-1.80	-0.52%	0.12%
30	6	342.700	340.500	-2.20	-0.64%	0.15%
30	7	344.300	343.700	-0.60	-0.17%	0.04%
30	8	340.200	337.600	-2.60	-0.76%	0.17%
30	9	344.800	341.800	-3.00	-0.87%	0.20%
30	10	344.900	342.100	-2.80	-0.81%	0.19%
31	11	344.700	342.600	-2.10	-0.61%	0.14%
31	12	342.700	340.900	-1.80	-0.53%	0.12%
31	13	344.300	342.900	-1.40	-0.41%	0.09%
31	14	340.200	337.400	-2.80	-0.82%	0.19%
31	15	344.800	342.900	-1.90	-0.55%	0.13%
31	16	344.900	342.400	-2.50	-0.72%	0.17%
Max		347.100	348.300	1.20	0.81%	0.20%
Average		344.125	342.956	-1.17	-0.34%	0.13%
Min		340.200	337.400	-2.80	-0.87%	0.04%
Std Dev		1.832	3.204	1.37	0.54%	0.05%



DELTAICC_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	µA			
Max Limit	1500			
Min Limit	-10			
LL		-10.00	-10.00	-10.00
Min		346.40	337.60	337.40
Average		347.40	341.43	341.52
Max		348.30	343.70	342.90
UL		1500.00	1500.00	1500.00



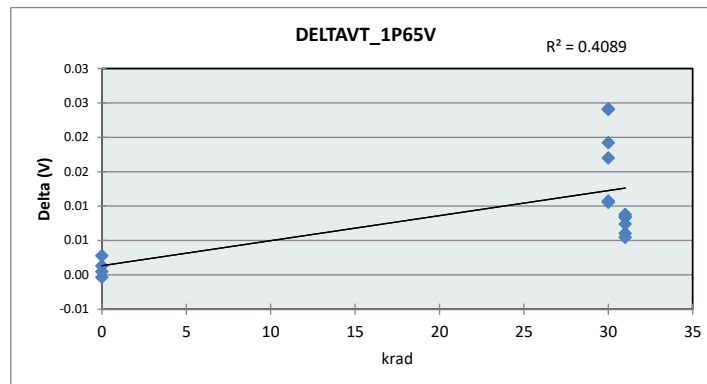


# TID Report

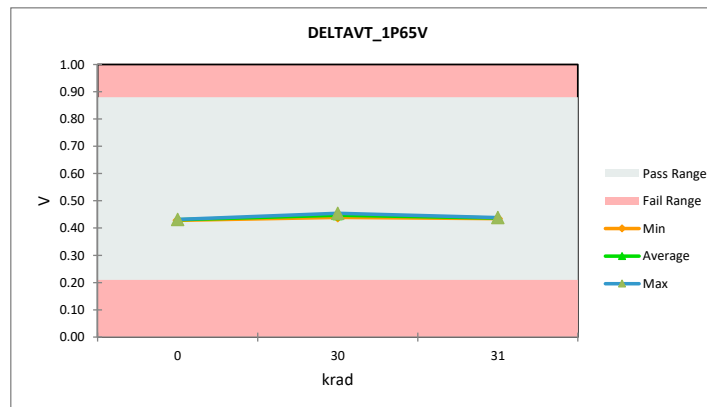
## SN54SC6T17-SEP

DELTAVT_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.88
Min Limit	0.21

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.429	0.428	0.00	-0.08%	0.05%
0	2	0.429	0.432	0.00	0.65%	0.42%
0	3	0.430	0.431	0.00	0.12%	0.08%
0	4	0.430	0.431	0.00	0.31%	0.20%
30	5	0.428	0.439	0.01	2.51%	1.61%
30	6	0.432	0.442	0.01	2.45%	1.58%
30	7	0.429	0.453	0.02	5.63%	3.60%
30	8	0.430	0.449	0.02	4.47%	2.87%
30	9	0.430	0.454	0.02	5.60%	3.59%
30	10	0.428	0.445	0.02	3.98%	2.54%
31	11	0.428	0.434	0.01	1.41%	0.90%
31	12	0.432	0.437	0.01	1.27%	0.82%
31	13	0.429	0.437	0.01	1.95%	1.25%
31	14	0.430	0.437	0.01	1.72%	1.10%
31	15	0.430	0.439	0.01	1.96%	1.26%
31	16	0.428	0.437	0.01	2.05%	1.31%
Max		0.432	0.454	0.02	5.63%	3.60%
Average		0.429	0.439	0.01	2.25%	1.45%
Min		0.428	0.428	0.00	-0.08%	0.05%
Std Dev		0.001	0.008	0.01	1.81%	1.15%



DELTAVT_1P65V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.88		
Min Limit	0.21		
	0	30	31
LL	0.21	0.21	0.21
Min	0.43	0.44	0.43
Average	0.43	0.45	0.44
Max	0.43	0.45	0.44
UL	0.88	0.88	0.88

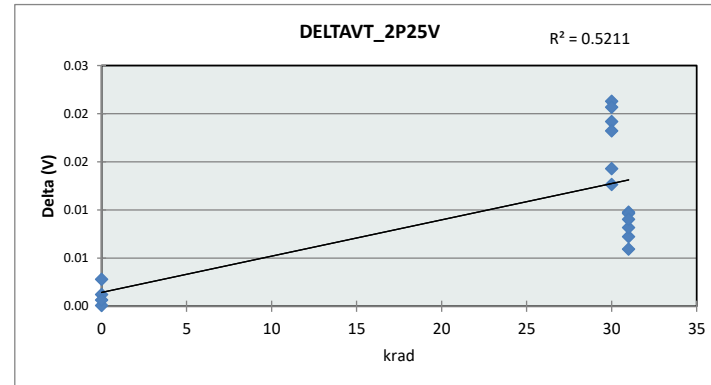


# TID Report

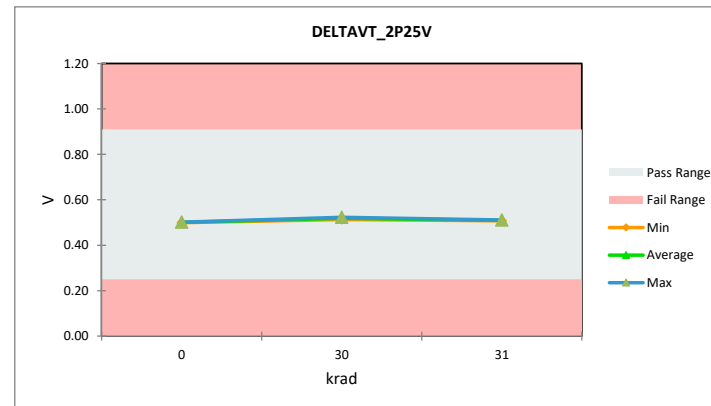
## SN54SC6T17-SEP

DELTAVT_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.91
Min Limit	0.25

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.498	0.499	0.00	0.25%	0.19%
0	2	0.499	0.501	0.00	0.56%	0.42%
0	3	0.500	0.500	0.00	0.02%	0.01%
0	4	0.500	0.501	0.00	0.13%	0.10%
30	5	0.498	0.517	0.02	3.85%	2.91%
30	6	0.503	0.515	0.01	2.52%	1.92%
30	7	0.503	0.521	0.02	3.63%	2.76%
30	8	0.501	0.522	0.02	4.25%	3.23%
30	9	0.502	0.523	0.02	4.12%	3.13%
30	10	0.499	0.513	0.01	2.87%	2.17%
31	11	0.498	0.508	0.01	1.96%	1.48%
31	12	0.503	0.509	0.01	1.18%	0.90%
31	13	0.503	0.510	0.01	1.44%	1.10%
31	14	0.501	0.511	0.01	1.92%	1.46%
31	15	0.502	0.510	0.01	1.63%	1.24%
31	16	0.499	0.508	0.01	1.81%	1.37%
Max		0.503	0.523	0.02	4.25%	3.23%
Average		0.501	0.511	0.01	2.01%	1.52%
Min		0.498	0.499	0.00	0.02%	0.01%
Std Dev		0.002	0.008	0.01	1.42%	1.08%



DELTAVT_2P25V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.91			
Min Limit	0.25			
LL		0.25	0.25	0.25
Min		0.50	0.51	0.51
Average		0.50	0.52	0.51
Max		0.50	0.52	0.51
UL		0.91	0.91	0.91

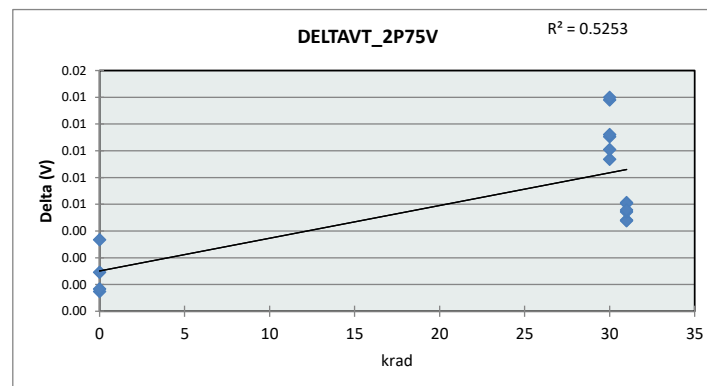


# TID Report

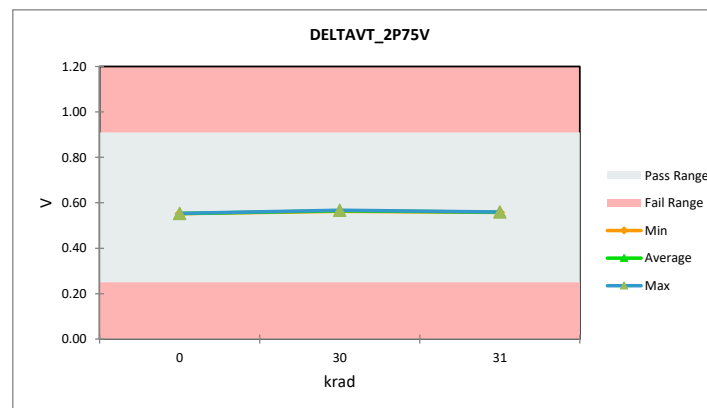
## SN54SC6T17-SEP

DELTAVT_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.91
Min Limit	0.25

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.553	0.552	0.00	-0.09%	0.08%
0	2	0.549	0.552	0.00	0.61%	0.51%
0	3	0.552	0.553	0.00	0.17%	0.14%
0	4	0.553	0.552	0.00	-0.06%	0.05%
30	5	0.552	0.565	0.01	2.50%	2.09%
30	6	0.555	0.564	0.01	1.69%	1.42%
30	7	0.555	0.566	0.01	1.99%	1.68%
30	8	0.554	0.565	0.01	2.03%	1.70%
30	9	0.553	0.567	0.01	2.53%	2.12%
30	10	0.552	0.562	0.01	1.83%	1.53%
31	11	0.552	0.558	0.01	1.11%	0.93%
31	12	0.555	0.559	0.00	0.87%	0.73%
31	13	0.555	0.559	0.00	0.86%	0.72%
31	14	0.554	0.560	0.01	1.10%	0.92%
31	15	0.553	0.559	0.01	0.98%	0.82%
31	16	0.552	0.558	0.01	1.01%	0.84%
Max		0.555	0.567	0.01	2.53%	2.12%
Average		0.553	0.560	0.01	1.20%	1.02%
Min		0.549	0.552	0.00	-0.09%	0.05%
Std Dev		0.002	0.005	0.00	0.83%	0.67%



DELTAVT_2P75V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.91		
Min Limit	0.25		
krad	0	30	31
LL	0.25	0.25	0.25
Min	0.55	0.56	0.56
Average	0.55	0.56	0.56
Max	0.55	0.57	0.56
UL	0.91	0.91	0.91





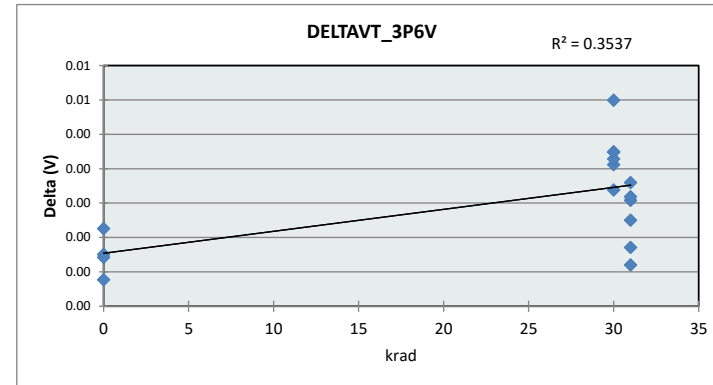


# TID Report

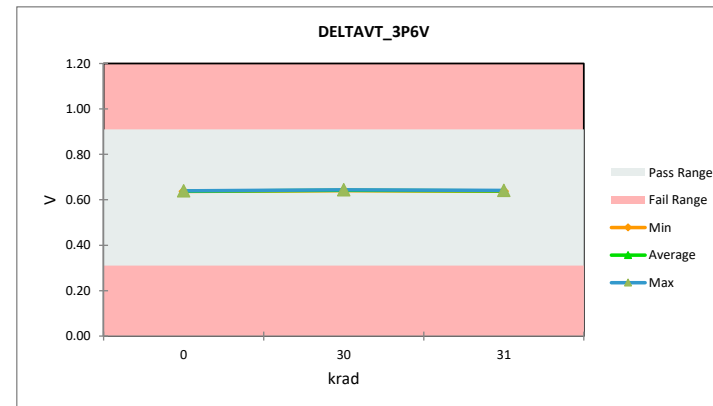
## SN54SC6T17-SEP

DELTAVT_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.91
Min Limit	0.31

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.640	0.639	0.00	-0.04%	0.04%
0	2	0.636	0.637	0.00	0.20%	0.21%
0	3	0.638	0.639	0.00	0.08%	0.08%
0	4	0.636	0.637	0.00	0.07%	0.07%
30	5	0.637	0.640	0.00	0.49%	0.52%
30	6	0.639	0.641	0.00	0.37%	0.40%
30	7	0.641	0.644	0.00	0.51%	0.55%
30	8	0.638	0.641	0.00	0.55%	0.58%
30	9	0.638	0.643	0.00	0.78%	0.83%
30	10	0.638	0.641	0.00	0.55%	0.58%
31	11	0.637	0.639	0.00	0.33%	0.35%
31	12	0.639	0.641	0.00	0.41%	0.43%
31	13	0.641	0.641	0.00	0.11%	0.12%
31	14	0.638	0.638	0.00	0.03%	0.03%
31	15	0.638	0.640	0.00	0.34%	0.36%
31	16	0.638	0.639	0.00	0.24%	0.25%
	Max	0.641	0.644	0.00	0.78%	0.83%
	Average	0.638	0.640	0.00	0.31%	0.34%
	Min	0.636	0.637	0.00	-0.04%	0.03%
	Std Dev	0.001	0.002	0.00	0.23%	0.24%



DELTAVT_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.91			
Min Limit	0.31			
	krad	0	30	31
	LL	0.31	0.31	0.31
	Min	0.64	0.64	0.64
	Average	0.64	0.64	0.64
	Max	0.64	0.64	0.64
	UL	0.91	0.91	0.91



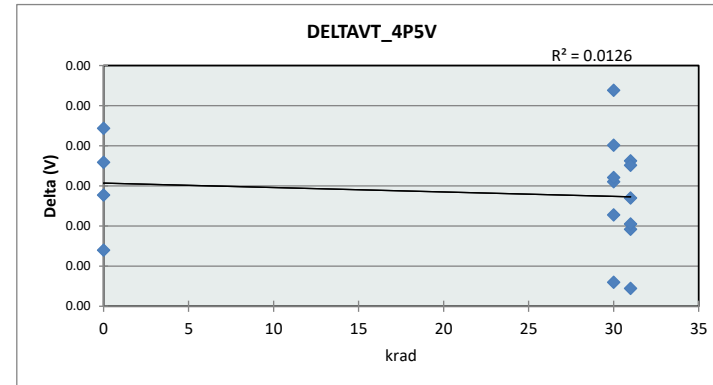


# TID Report

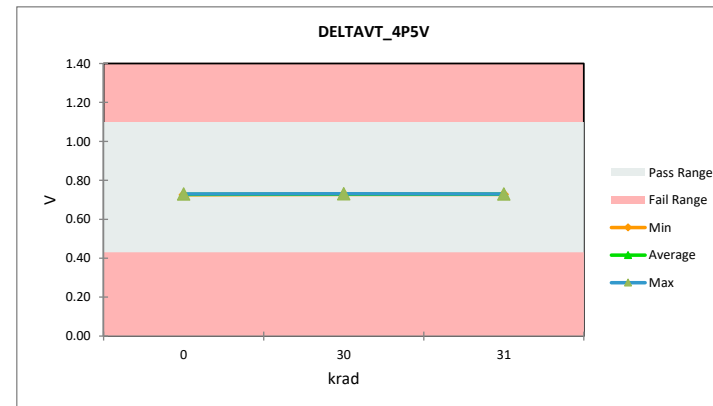
## SN54SC6T17-SEP

DELTAVT_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.1
Min Limit	0.43

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.729	0.730	0.00	0.11%	0.12%
0	2	0.725	0.727	0.00	0.22%	0.24%
0	3	0.727	0.729	0.00	0.34%	0.36%
0	4	0.726	0.726	0.00	-0.08%	0.09%
30	5	0.726	0.729	0.00	0.47%	0.50%
30	6	0.729	0.728	0.00	-0.19%	0.21%
30	7	0.730	0.731	0.00	0.15%	0.17%
30	8	0.727	0.727	0.00	0.04%	0.04%
30	9	0.730	0.731	0.00	0.17%	0.18%
30	10	0.728	0.730	0.00	0.28%	0.30%
31	11	0.726	0.727	0.00	0.22%	0.24%
31	12	0.729	0.728	0.00	-0.21%	0.23%
31	13	0.730	0.730	0.00	-0.01%	0.01%
31	14	0.727	0.728	0.00	0.10%	0.10%
31	15	0.730	0.730	0.00	0.01%	0.01%
31	16	0.728	0.729	0.00	0.21%	0.23%
Max		0.730	0.731	0.00	0.47%	0.50%
Average		0.728	0.729	0.00	0.11%	0.19%
Min		0.725	0.726	0.00	-0.21%	0.01%
Std Dev		0.002	0.001	0.00	0.18%	0.13%



DELTAVT_4P5V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.1		
Min Limit	0.43		
	0	30	31
LL	0.43	0.43	0.43
Min	0.73	0.73	0.73
Average	0.73	0.73	0.73
Max	0.73	0.73	0.73
UL	1.10	1.10	1.10

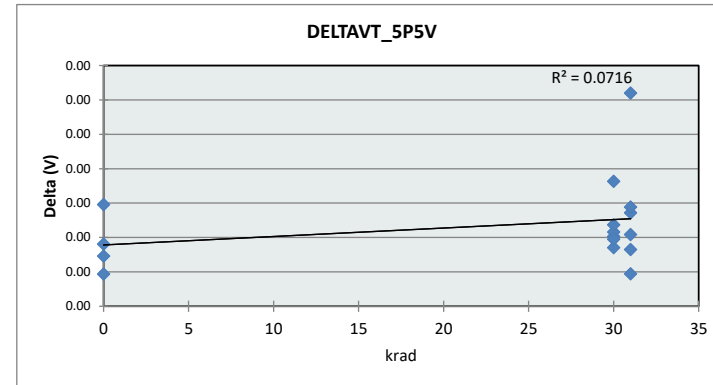


# TID Report

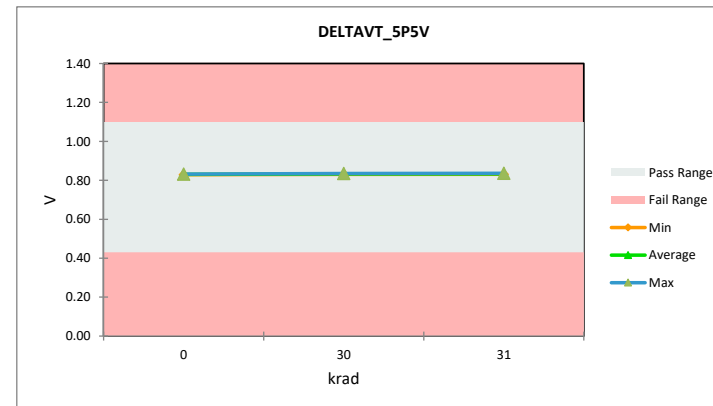
## SN54SC6T17-SEP

DELTA VT_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.1
Min Limit	0.43

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.831	0.831	0.00	-0.01%	0.01%
0	2	0.831	0.830	0.00	-0.18%	0.23%
0	3	0.834	0.832	0.00	-0.25%	0.31%
0	4	0.830	0.829	0.00	-0.14%	0.18%
30	5	0.831	0.830	0.00	-0.12%	0.14%
30	6	0.833	0.833	0.00	0.08%	0.10%
30	7	0.836	0.835	0.00	-0.10%	0.13%
30	8	0.833	0.832	0.00	-0.15%	0.19%
30	9	0.834	0.833	0.00	-0.08%	0.09%
30	10	0.834	0.833	0.00	-0.13%	0.16%
31	11	0.831	0.831	0.00	-0.03%	0.04%
31	12	0.833	0.836	0.00	0.38%	0.48%
31	13	0.836	0.835	0.00	-0.11%	0.14%
31	14	0.833	0.832	0.00	-0.16%	0.20%
31	15	0.834	0.834	0.00	-0.01%	0.02%
31	16	0.834	0.832	0.00	-0.25%	0.31%
Max		0.836	0.836	0.00	0.38%	0.48%
Average		0.833	0.832	0.00	-0.08%	0.17%
Min		0.830	0.829	0.00	-0.25%	0.01%
Std Dev		0.002	0.002	0.00	0.15%	0.12%



DELTA VT_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	1.1			
Min Limit	0.43			
LL		0.43	0.43	0.43
Min		0.83	0.83	0.83
Average		0.83	0.83	0.83
Max		0.83	0.83	0.84
UL		1.10	1.10	1.10

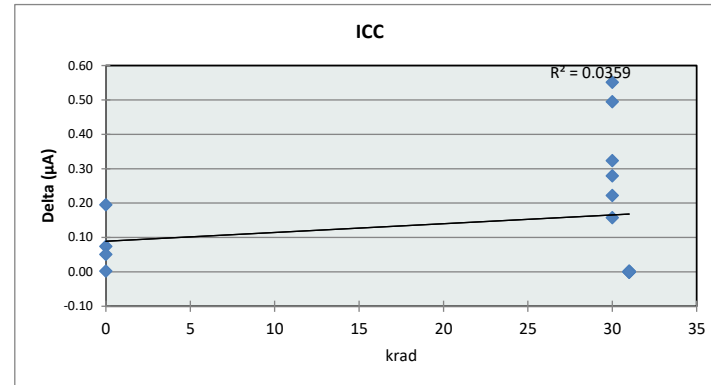


# TID Report

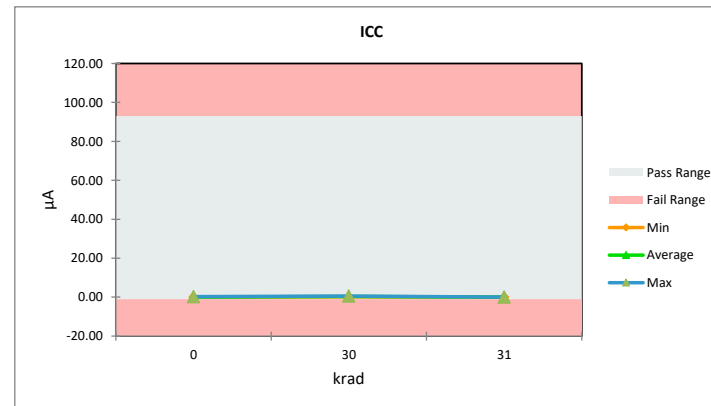
## SN54SC6T17-SEP

ICC	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	µA
Max Limit	93
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.007	0.009	0.00	33.24%	0.00%
0	2	0.008	0.082	0.07	908.59%	0.08%
0	3	0.008	0.204	0.20	2315.80%	0.21%
0	4	0.006	0.057	0.05	792.24%	0.05%
30	5	0.009	0.167	0.16	1694.16%	0.17%
30	6	0.008	0.560	0.55	6765.42%	0.59%
30	7	0.007	0.502	0.50	7551.01%	0.53%
30	8	0.009	0.333	0.32	3676.11%	0.34%
30	9	0.007	0.230	0.22	2993.80%	0.24%
30	10	0.008	0.287	0.28	3467.08%	0.30%
31	11	0.009	0.008	0.00	-9.74%	0.00%
31	12	0.008	0.008	0.00	1.91%	0.00%
31	13	0.007	0.008	0.00	20.52%	0.00%
31	14	0.009	0.011	0.00	28.75%	0.00%
31	15	0.007	0.009	0.00	18.53%	0.00%
31	16	0.008	0.008	0.00	1.55%	0.00%
Max		0.009	0.560	0.55	7551.01%	0.59%
Average		0.008	0.155	0.15	1891.18%	0.16%
Min		0.006	0.008	0.00	-9.74%	0.00%
Std Dev		0.001	0.184	0.18	2446.08%	0.20%



ICC		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	µA			
Max Limit	93			
Min Limit	-1			
LL		-1.00	-1.00	-1.00
Min		0.01	0.17	0.01
Average		0.09	0.35	0.01
Max		0.20	0.56	0.01
UL		93.00	93.00	93.00

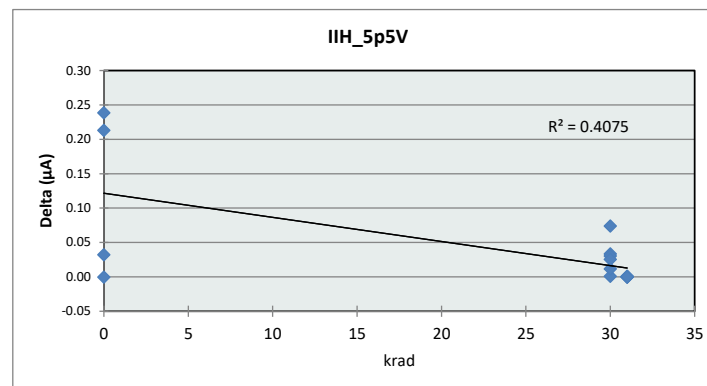


# TID Report

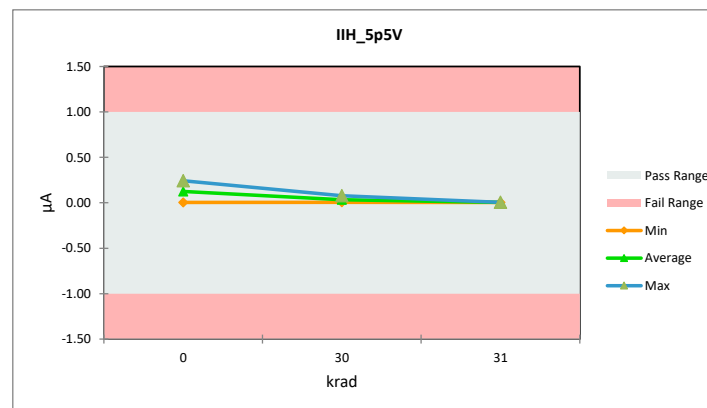
## SN54SC6T17-SEP

IIH_5p5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	µA
Max Limit	1
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.004	0.004	0.00	-5.38%	0.01%
0	2	0.004	0.217	0.21	5408.50%	10.66%
0	3	0.004	0.243	0.24	5655.28%	11.92%
0	4	0.004	0.036	0.03	819.86%	1.62%
30	5	0.004	0.038	0.03	818.52%	1.68%
30	6	0.004	0.005	0.00	19.29%	0.04%
30	7	0.004	0.078	0.07	1863.01%	3.70%
30	8	0.004	0.034	0.03	784.28%	1.52%
30	9	0.004	0.016	0.01	283.78%	0.59%
30	10	0.004	0.030	0.03	589.44%	1.27%
31	11	0.004	0.005	0.00	17.37%	0.04%
31	12	0.004	0.004	0.00	-4.48%	0.01%
31	13	0.004	0.005	0.00	19.68%	0.04%
31	14	0.004	0.004	0.00	12.09%	0.02%
31	15	0.004	0.004	0.00	-2.45%	0.01%
31	16	0.004	0.004	0.00	-1.46%	0.00%
	Max	0.004	0.243	0.24	5655.28%	11.92%
	Average	0.004	0.045	0.04	1017.33%	2.07%
	Min	0.004	0.004	0.00	-5.38%	0.00%
	Std Dev	0.000	0.075	0.07	1835.43%	3.75%



IIH_5p5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	µA			
Max Limit	1			
Min Limit	-1			
	LL	-1.00	-1.00	-1.00
	Min	0.00	0.01	0.00
	Average	0.13	0.03	0.00
	Max	0.24	0.08	0.00
	UL	1.00	1.00	1.00

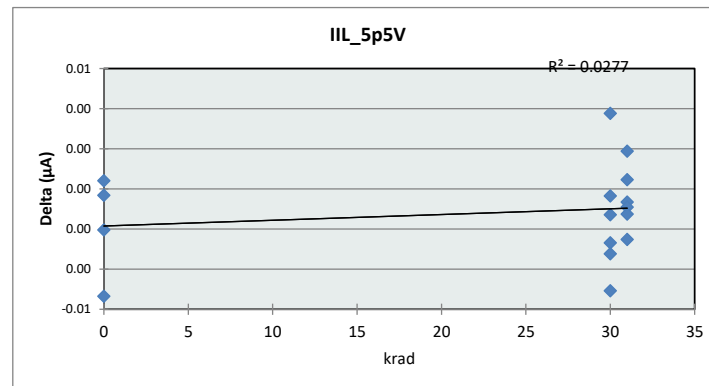


# TID Report

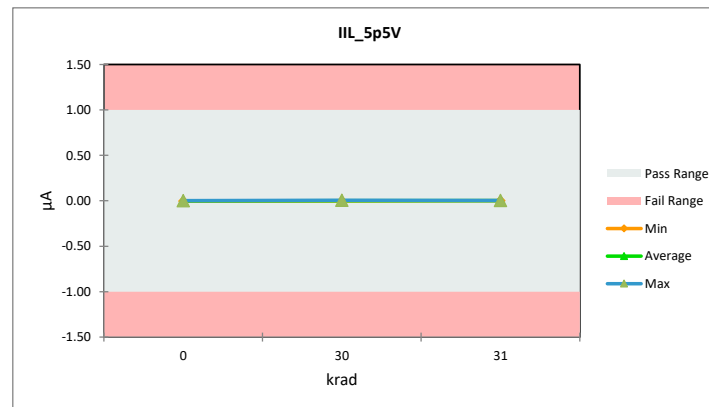
## SN54SC6T17-SEP

IIL_5p5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	µA
Max Limit	1
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.002	0.00	30.85%	0.02%
0	2	0.002	-0.004	-0.01	-334.82%	0.27%
0	3	0.001	0.001	0.00	-24.90%	0.02%
0	4	0.001	-0.001	0.00	-142.09%	0.10%
30	5	0.002	0.006	0.00	197.64%	0.19%
30	6	0.002	0.001	0.00	-57.67%	0.06%
30	7	0.002	-0.001	0.00	-127.93%	0.13%
30	8	0.004	-0.001	-0.01	-114.67%	0.25%
30	9	0.001	0.001	0.00	-23.87%	0.02%
30	10	0.005	0.002	0.00	-68.27%	0.16%
31	11	0.002	0.004	0.00	98.85%	0.09%
31	12	0.002	0.002	0.00	-29.52%	0.03%
31	13	0.002	0.001	0.00	-43.23%	0.05%
31	14	0.004	0.003	0.00	-28.43%	0.06%
31	15	0.001	0.002	0.00	32.41%	0.02%
31	16	0.005	0.002	0.00	-53.09%	0.13%
Max		0.005	0.006	0.00	197.64%	0.27%
Average		0.002	0.001	0.00	-43.05%	0.10%
Min		0.001	-0.004	-0.01	-334.82%	0.02%
Std Dev		0.001	0.002	0.00	115.05%	0.08%



IIL_5p5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	µA			
Max Limit	1			
Min Limit	-1			
LL		-1.00	-1.00	-1.00
Min		0.00	0.00	0.00
Average		0.00	0.00	0.00
Max		0.00	0.01	0.00
UL		1.00	1.00	1.00

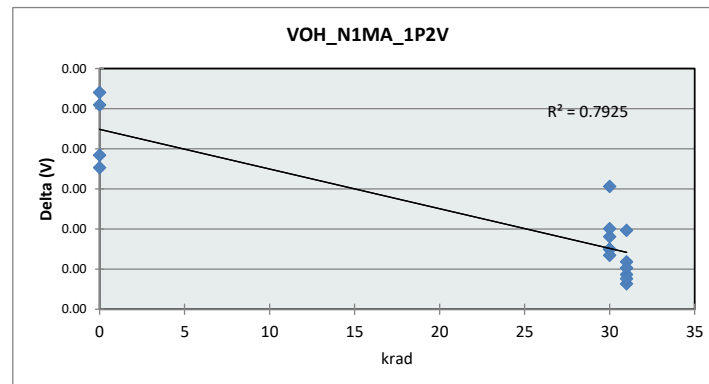


# TID Report

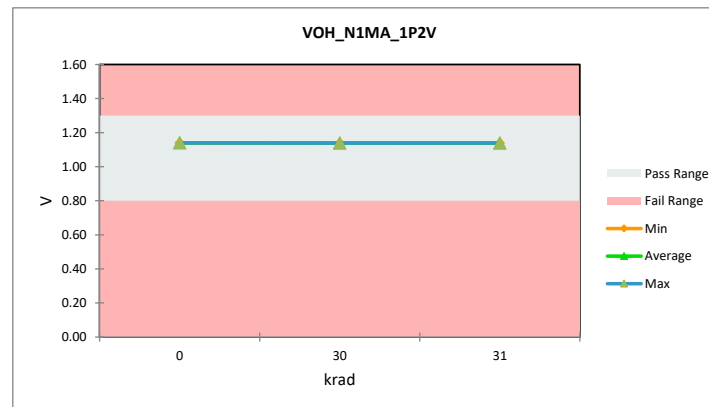
## SN54SC6T17-SEP

VOH_N1MA_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.3
Min Limit	0.8

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.140	1.140	0.00	0.00%	0.01%
0	2	1.140	1.140	0.00	0.02%	0.06%
0	3	1.140	1.140	0.00	-0.01%	0.02%
0	4	1.140	1.140	0.00	0.02%	0.04%
30	5	1.140	1.139	0.00	-0.04%	0.10%
30	6	1.139	1.139	0.00	-0.04%	0.09%
30	7	1.139	1.139	0.00	-0.02%	0.04%
30	8	1.139	1.139	0.00	-0.04%	0.10%
30	9	1.140	1.139	0.00	-0.05%	0.11%
30	10	1.140	1.139	0.00	-0.03%	0.08%
31	11	1.140	1.139	0.00	-0.06%	0.13%
31	12	1.139	1.139	0.00	-0.05%	0.11%
31	13	1.139	1.139	0.00	-0.04%	0.08%
31	14	1.139	1.139	0.00	-0.05%	0.13%
31	15	1.140	1.139	0.00	-0.05%	0.12%
31	16	1.140	1.139	0.00	-0.06%	0.13%
Max		1.140	1.140	0.00	0.02%	0.13%
Average		1.140	1.139	0.00	-0.03%	0.08%
Min		1.139	1.139	0.00	-0.06%	0.01%
Std Dev		0.000	0.000	0.00	0.03%	0.04%



VOH_N1MA_1P2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.3		
Min Limit	0.8		
	0	30	31
LL	0.80	0.80	0.80
Min	1.14	1.14	1.14
Average	1.14	1.14	1.14
Max	1.14	1.14	1.14
UL	1.30	1.30	1.30



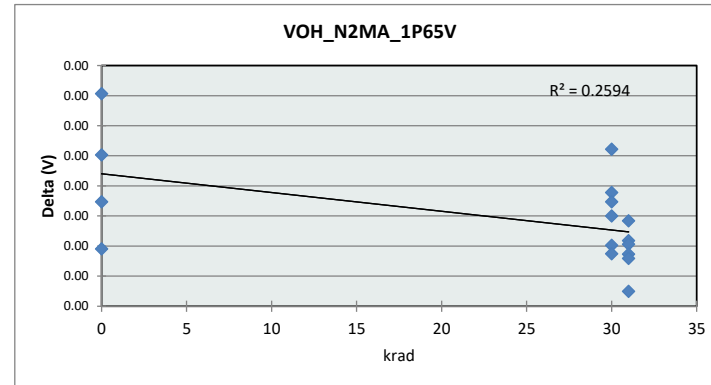


# TID Report

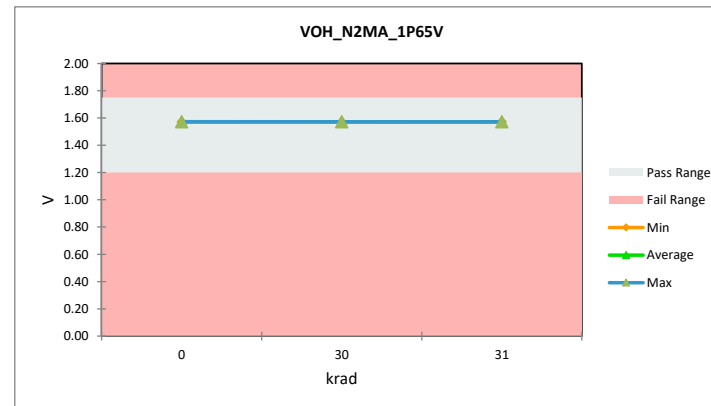
## SN54SC6T17-SEP

VOH_N2MA_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.75
Min Limit	1.2

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.573	1.573	0.00	0.01%	0.02%
0	2	1.572	1.573	0.00	0.05%	0.15%
0	3	1.573	1.572	0.00	-0.01%	0.04%
0	4	1.572	1.573	0.00	0.03%	0.07%
30	5	1.572	1.572	0.00	0.01%	0.03%
30	6	1.572	1.572	0.00	-0.01%	0.04%
30	7	1.572	1.573	0.00	0.03%	0.08%
30	8	1.572	1.572	0.00	0.01%	0.02%
30	9	1.572	1.572	0.00	0.00%	0.00%
30	10	1.572	1.572	0.00	-0.02%	0.05%
31	11	1.572	1.572	0.00	0.00%	0.01%
31	12	1.572	1.572	0.00	-0.01%	0.03%
31	13	1.572	1.572	0.00	-0.01%	0.03%
31	14	1.572	1.572	0.00	-0.02%	0.05%
31	15	1.572	1.572	0.00	-0.02%	0.05%
31	16	1.572	1.572	0.00	-0.03%	0.09%
Max		1.573	1.573	0.00	0.05%	0.15%
Average		1.572	1.572	0.00	0.00%	0.05%
Min		1.572	1.572	0.00	-0.03%	0.00%
Std Dev		0.000	0.000	0.00	0.02%	0.04%



VOH_N2MA_1P65V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.75		
Min Limit	1.2		
	0	30	31
LL	1.20	1.20	1.20
Min	1.57	1.57	1.57
Average	1.57	1.57	1.57
Max	1.57	1.57	1.57
UL	1.75	1.75	1.75

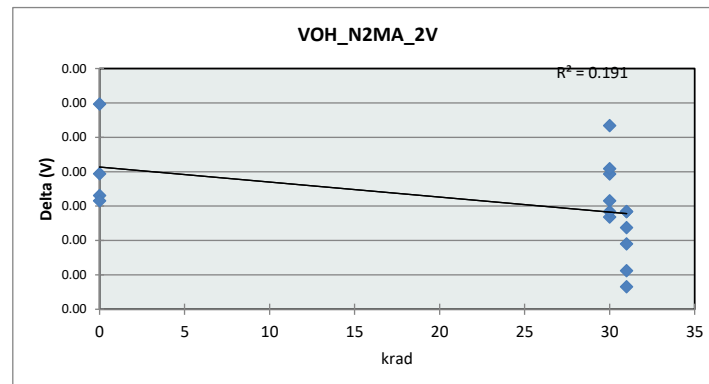


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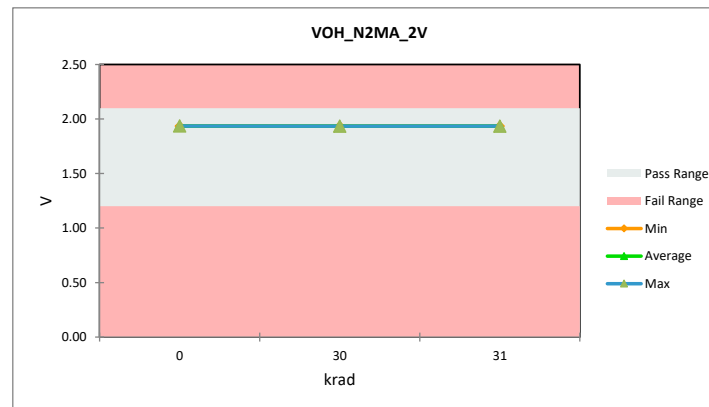
## SN54SC6T17-SEP

VOH_N2MA_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	2.1
Min Limit	1.2

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.935	1.935	0.00	0.00%	0.01%
0	2	1.935	1.936	0.00	0.03%	0.07%
0	3	1.935	1.935	0.00	0.00%	0.00%
0	4	1.935	1.935	0.00	0.01%	0.02%
30	5	1.935	1.935	0.00	0.01%	0.02%
30	6	1.935	1.935	0.00	0.01%	0.02%
30	7	1.935	1.935	0.00	0.02%	0.05%
30	8	1.935	1.935	0.00	0.00%	0.00%
30	9	1.935	1.935	0.00	0.00%	0.01%
30	10	1.935	1.935	0.00	0.00%	0.00%
31	11	1.935	1.935	0.00	0.00%	0.00%
31	12	1.935	1.935	0.00	-0.01%	0.02%
31	13	1.935	1.935	0.00	0.00%	0.00%
31	14	1.935	1.935	0.00	-0.02%	0.04%
31	15	1.935	1.935	0.00	-0.01%	0.01%
31	16	1.935	1.935	0.00	-0.02%	0.05%
Max		1.935	1.936	0.00	0.03%	0.07%
Average		1.935	1.935	0.00	0.00%	0.02%
Min		1.935	1.935	0.00	-0.02%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.02%



VOH_N2MA_2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	2.1			
Min Limit	1.2			
LL		1.20	1.20	1.20
Min		1.94	1.94	1.93
Average		1.94	1.94	1.94
Max		1.94	1.94	1.94
UL		2.10	2.10	2.10

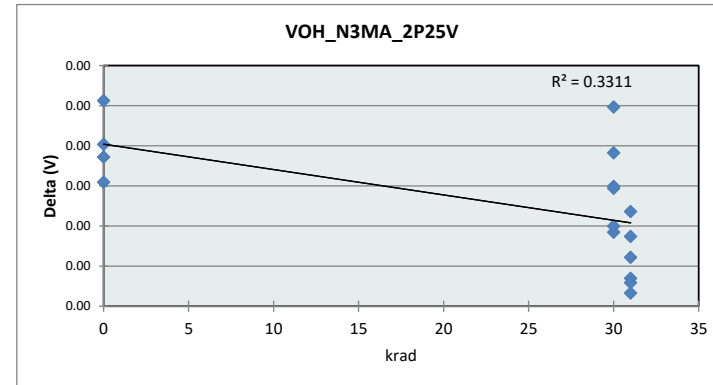


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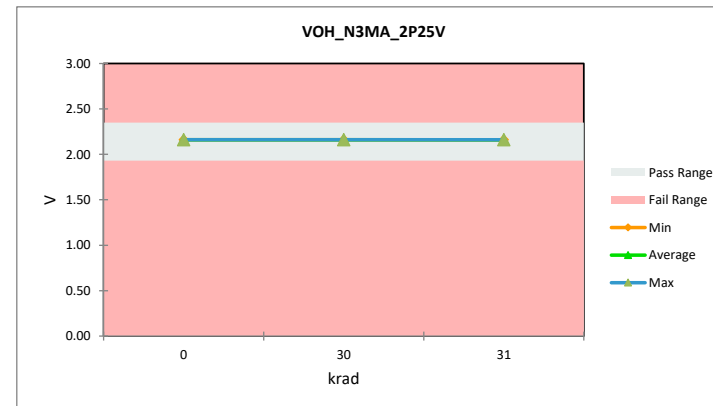
## SN54SC6T17-SEP

VOH_N3MA_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	2.35
Min Limit	1.93

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.161	2.161	0.00	0.01%	0.05%
0	2	2.160	2.161	0.00	0.03%	0.15%
0	3	2.161	2.161	0.00	0.02%	0.08%
0	4	2.161	2.161	0.00	0.02%	0.10%
30	5	2.161	2.161	0.00	0.02%	0.09%
30	6	2.161	2.161	0.00	0.01%	0.05%
30	7	2.160	2.161	0.00	0.03%	0.14%
30	8	2.161	2.161	0.00	0.00%	0.01%
30	9	2.161	2.161	0.00	0.01%	0.04%
30	10	2.161	2.161	0.00	0.00%	0.00%
31	11	2.161	2.161	0.00	-0.01%	0.06%
31	12	2.161	2.160	0.00	-0.02%	0.08%
31	13	2.160	2.160	0.00	0.00%	0.01%
31	14	2.161	2.161	0.00	-0.01%	0.04%
31	15	2.161	2.161	0.00	0.00%	0.02%
31	16	2.161	2.160	0.00	-0.01%	0.07%
Max		2.161	2.161	0.00	0.03%	0.15%
Average		2.161	2.161	0.00	0.01%	0.06%
Min		2.160	2.160	0.00	-0.02%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.04%



VOH_N3MA_2P25V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	2.35		
Min Limit	1.93		
krad	0	30	31
LL	1.93	1.93	1.93
Min	2.16	2.16	2.16
Average	2.16	2.16	2.16
Max	2.16	2.16	2.16
UL	2.35	2.35	2.35

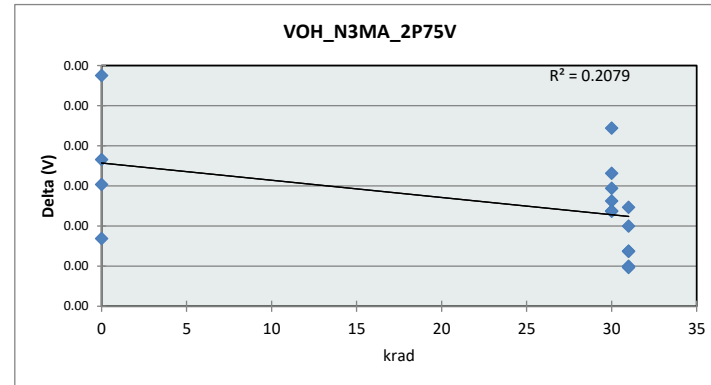


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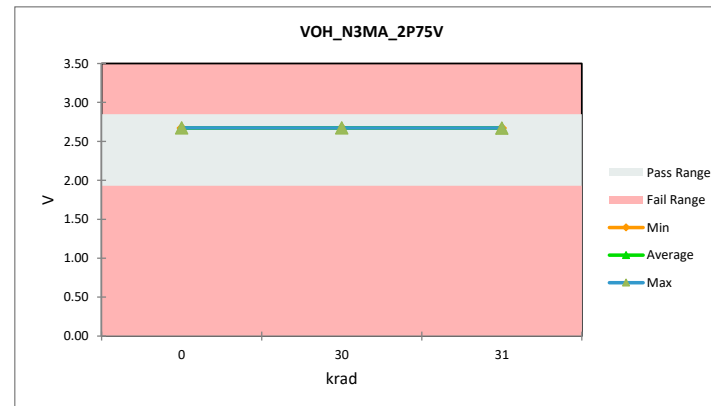
## SN54SC6T17-SEP

VOH_N3MA_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	2.85
Min Limit	1.93

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.672	2.672	0.00	0.01%	0.02%
0	2	2.671	2.672	0.00	0.03%	0.08%
0	3	2.672	2.671	0.00	0.00%	0.01%
0	4	2.672	2.672	0.00	0.01%	0.04%
30	5	2.672	2.672	0.00	0.01%	0.02%
30	6	2.672	2.672	0.00	0.00%	0.01%
30	7	2.672	2.672	0.00	0.02%	0.05%
30	8	2.672	2.672	0.00	0.00%	0.01%
30	9	2.672	2.672	0.00	0.01%	0.03%
30	10	2.671	2.672	0.00	0.00%	0.01%
31	11	2.672	2.672	0.00	0.00%	0.00%
31	12	2.672	2.672	0.00	0.00%	0.01%
31	13	2.672	2.672	0.00	0.00%	0.01%
31	14	2.672	2.671	0.00	-0.01%	0.02%
31	15	2.672	2.672	0.00	0.00%	0.01%
31	16	2.671	2.671	0.00	-0.01%	0.02%
Max		2.672	2.672	0.00	0.03%	0.08%
Average		2.672	2.672	0.00	0.00%	0.02%
Min		2.671	2.671	0.00	-0.01%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.02%



VOH_N3MA_2P75V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	2.85		
Min Limit	1.93		
	0	30	31
LL	1.93	1.93	1.93
Min	2.67	2.67	2.67
Average	2.67	2.67	2.67
Max	2.67	2.67	2.67
UL	2.85	2.85	2.85

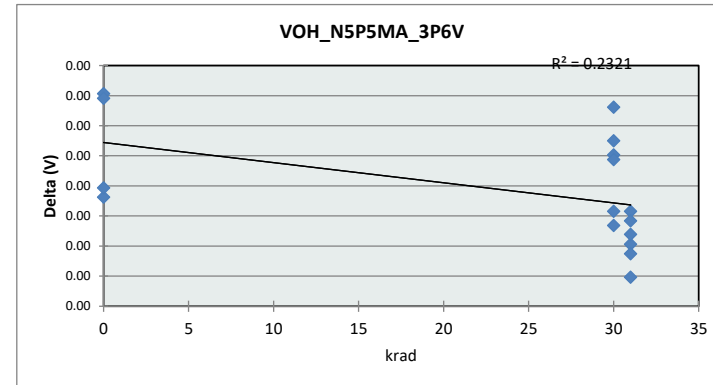


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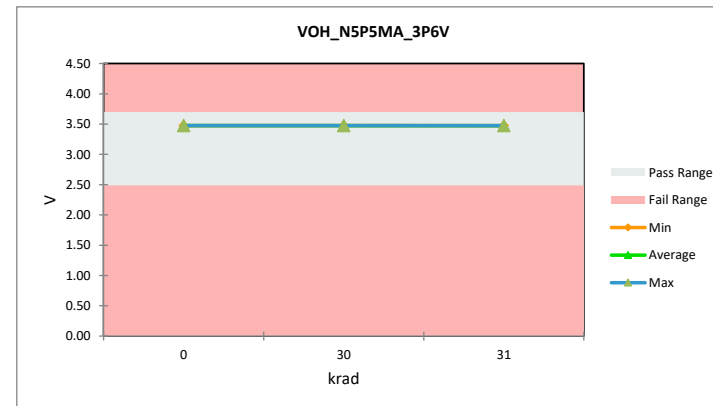
## SN54SC6T17-SEP

VOH_N5P5MA_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	3.7
Min Limit	2.49

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.474	3.474	0.00	0.00%	0.01%
0	2	3.474	3.475	0.00	0.02%	0.07%
0	3	3.474	3.474	0.00	0.01%	0.02%
0	4	3.474	3.475	0.00	0.02%	0.06%
30	5	3.474	3.475	0.00	0.01%	0.03%
30	6	3.474	3.474	0.00	0.01%	0.04%
30	7	3.474	3.475	0.00	0.02%	0.06%
30	8	3.474	3.474	0.00	0.00%	0.01%
30	9	3.474	3.474	0.00	0.01%	0.03%
30	10	3.474	3.474	0.00	0.00%	0.00%
31	11	3.474	3.474	0.00	-0.01%	0.02%
31	12	3.474	3.474	0.00	0.00%	0.00%
31	13	3.474	3.474	0.00	0.00%	0.01%
31	14	3.474	3.474	0.00	-0.01%	0.02%
31	15	3.474	3.474	0.00	0.00%	0.00%
31	16	3.474	3.474	0.00	-0.01%	0.03%
	Max	3.474	3.475	0.00	0.02%	0.07%
	Average	3.474	3.474	0.00	0.01%	0.03%
	Min	3.474	3.474	0.00	-0.01%	0.00%
	Std Dev	0.000	0.000	0.00	0.01%	0.02%



VOH_N5P5MA_3P6V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	3.7		
Min Limit	2.49		
	0	30	31
LL	2.49	2.49	2.49
Min	3.47	3.47	3.47
Average	3.47	3.47	3.47
Max	3.47	3.47	3.47
UL	3.70	3.70	3.70

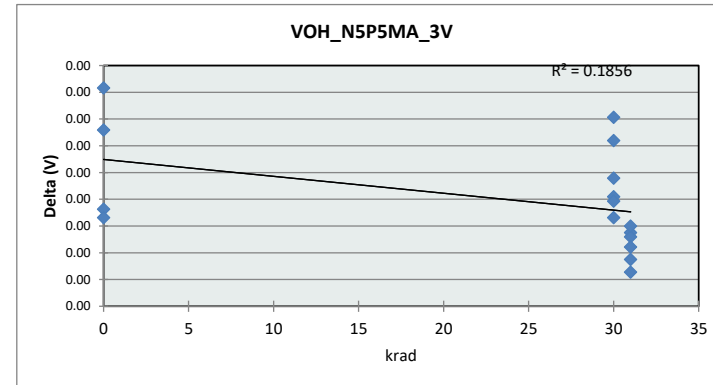


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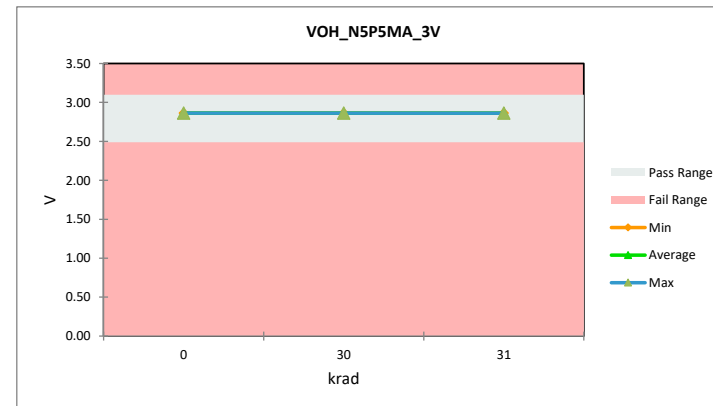
## SN54SC6T17-SEP

VOH_N5P5MA_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	3.1
Min Limit	2.49

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.862	2.862	0.00	0.00%	0.02%
0	2	2.862	2.863	0.00	0.04%	0.17%
0	3	2.862	2.862	0.00	0.00%	0.01%
0	4	2.862	2.862	0.00	0.03%	0.12%
30	5	2.862	2.863	0.00	0.02%	0.10%
30	6	2.862	2.862	0.00	0.01%	0.06%
30	7	2.862	2.863	0.00	0.03%	0.13%
30	8	2.862	2.862	0.00	0.01%	0.04%
30	9	2.862	2.862	0.00	0.01%	0.03%
30	10	2.862	2.862	0.00	0.00%	0.01%
31	11	2.862	2.862	0.00	0.00%	0.01%
31	12	2.862	2.862	0.00	0.00%	0.01%
31	13	2.862	2.862	0.00	0.00%	0.00%
31	14	2.862	2.862	0.00	-0.01%	0.06%
31	15	2.862	2.862	0.00	-0.01%	0.03%
31	16	2.862	2.862	0.00	-0.01%	0.04%
Max		2.862	2.863	0.00	0.04%	0.17%
Average		2.862	2.862	0.00	0.01%	0.05%
Min		2.862	2.862	0.00	-0.01%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.05%



VOH_N5P5MA_3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	3.1			
Min Limit	2.49			
LL		2.49	2.49	2.49
Min		2.86	2.86	2.86
Average		2.86	2.86	2.86
Max		2.86	2.86	2.86
UL		3.10	3.10	3.10

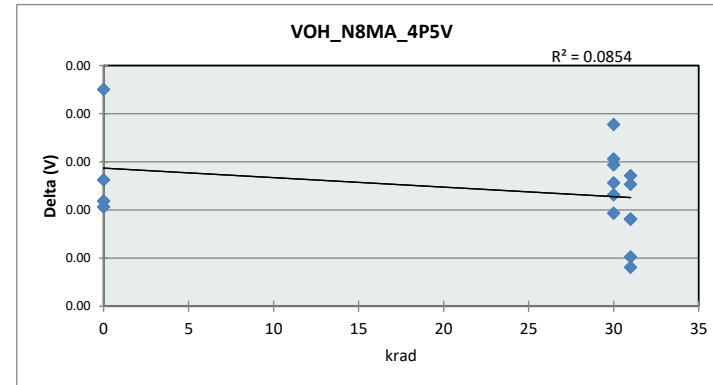


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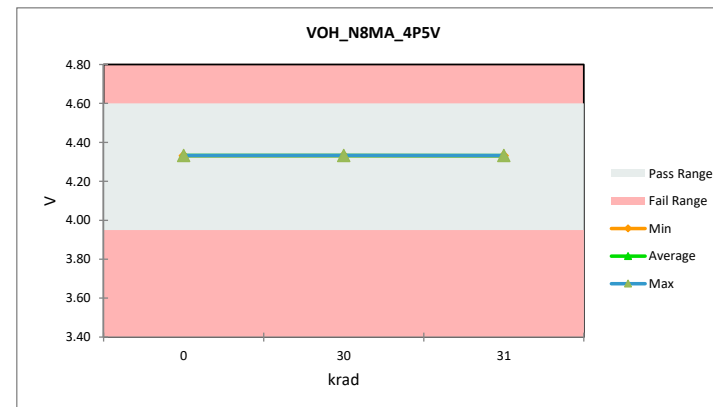
## SN54SC6T17-SEP

VOH_N8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	4.6
Min Limit	3.95

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.332	4.332	0.00	0.00%	0.01%
0	2	4.331	4.333	0.00	0.03%	0.19%
0	3	4.332	4.332	0.00	0.00%	0.00%
0	4	4.332	4.332	0.00	0.01%	0.05%
30	5	4.332	4.333	0.00	0.01%	0.07%
30	6	4.332	4.332	0.00	0.01%	0.04%
30	7	4.332	4.333	0.00	0.02%	0.14%
30	8	4.332	4.333	0.00	0.01%	0.08%
30	9	4.332	4.332	0.00	0.00%	0.02%
30	10	4.332	4.332	0.00	0.00%	0.00%
31	11	4.332	4.332	0.00	-0.01%	0.08%
31	12	4.332	4.332	0.00	0.01%	0.04%
31	13	4.332	4.333	0.00	0.01%	0.05%
31	14	4.332	4.332	0.00	0.00%	0.01%
31	15	4.332	4.332	0.00	0.00%	0.01%
31	16	4.332	4.331	0.00	-0.01%	0.09%
Max		4.332	4.333	0.00	0.03%	0.19%
Average		4.332	4.332	0.00	0.00%	0.06%
Min		4.331	4.331	0.00	-0.01%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.05%



VOH_N8MA_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	4.6			
Min Limit	3.95			
krad		0	30	31
LL		3.95	3.95	3.95
Min		4.33	4.33	4.33
Average		4.33	4.33	4.33
Max		4.33	4.33	4.33
UL		4.60	4.60	4.60

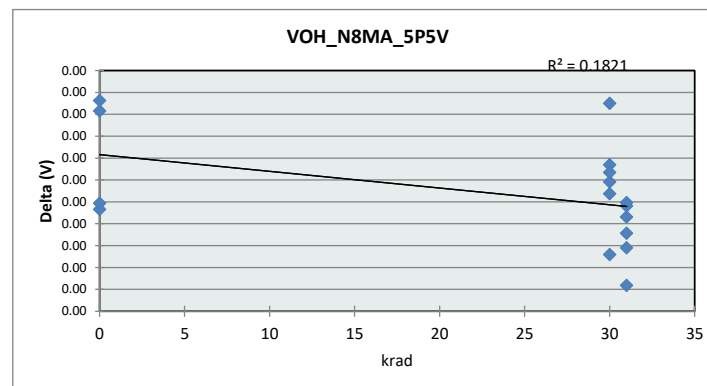


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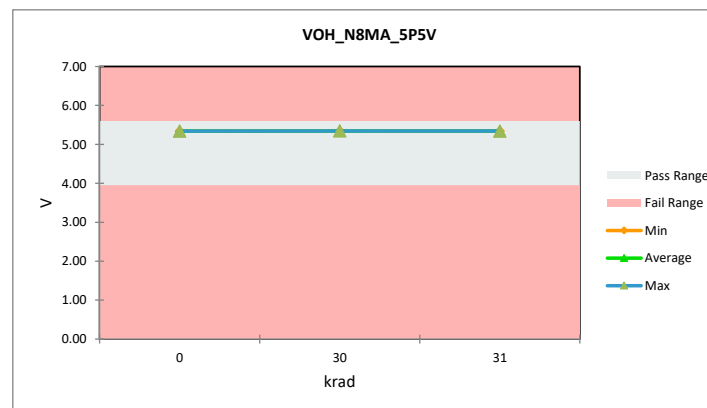
## SN54SC6T17-SEP

VOH_N8MA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	5.6
Min Limit	3.95

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.343	5.343	0.00	0.00%	0.01%
0	2	5.342	5.343	0.00	0.02%	0.07%
0	3	5.342	5.342	0.00	0.00%	0.01%
0	4	5.342	5.343	0.00	0.02%	0.06%
30	5	5.342	5.343	0.00	0.01%	0.03%
30	6	5.343	5.343	0.00	0.01%	0.02%
30	7	5.343	5.344	0.00	0.02%	0.07%
30	8	5.343	5.343	0.00	0.01%	0.03%
30	9	5.342	5.343	0.00	0.01%	0.02%
30	10	5.342	5.342	0.00	-0.01%	0.02%
31	11	5.342	5.342	0.00	0.00%	0.01%
31	12	5.343	5.343	0.00	0.00%	0.01%
31	13	5.343	5.343	0.00	0.00%	0.01%
31	14	5.343	5.343	0.00	0.00%	0.00%
31	15	5.342	5.342	0.00	0.00%	0.01%
31	16	5.342	5.342	0.00	-0.01%	0.03%
Max		5.343	5.344	0.00	0.02%	0.07%
Average		5.342	5.343	0.00	0.01%	0.03%
Min		5.342	5.342	0.00	-0.01%	0.00%
Std Dev		0.000	0.000	0.00	0.01%	0.02%



VOH_N8MA_5P5V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	5.6		
Min Limit	3.95		
	0	30	31
LL	3.95	3.95	3.95
Min	5.34	5.34	5.34
Average	5.34	5.34	5.34
Max	5.34	5.34	5.34
UL	5.60	5.60	5.60



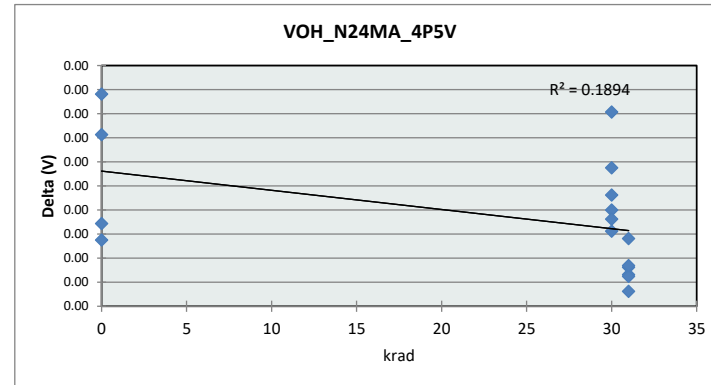


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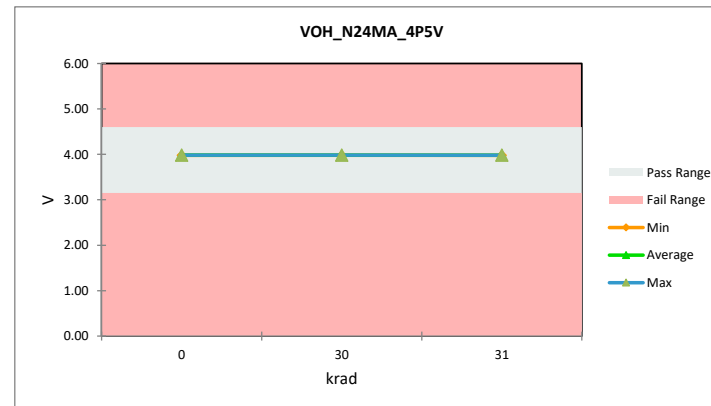
## SN54SC6T17-SEP

VOH_N24MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	4.6
Min Limit	3.15

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.981	3.981	0.00	0.01%	0.03%
0	2	3.978	3.982	0.00	0.09%	0.24%
0	3	3.979	3.979	0.00	0.02%	0.05%
0	4	3.978	3.981	0.00	0.06%	0.18%
30	5	3.980	3.982	0.00	0.05%	0.13%
30	6	3.981	3.982	0.00	0.03%	0.07%
30	7	3.980	3.983	0.00	0.08%	0.21%
30	8	3.981	3.982	0.00	0.03%	0.09%
30	9	3.980	3.981	0.00	0.01%	0.04%
30	10	3.979	3.980	0.00	0.02%	0.06%
31	11	3.980	3.980	0.00	-0.01%	0.02%
31	12	3.981	3.980	0.00	0.00%	0.01%
31	13	3.980	3.981	0.00	0.01%	0.03%
31	14	3.981	3.981	0.00	-0.01%	0.03%
31	15	3.980	3.980	0.00	0.00%	0.01%
31	16	3.979	3.978	0.00	-0.02%	0.05%
Max		3.981	3.983	0.00	0.09%	0.24%
Average		3.980	3.981	0.00	0.02%	0.08%
Min		3.978	3.978	0.00	-0.02%	0.01%
Std Dev		0.001	0.001	0.00	0.03%	0.07%



VOH_N24MA_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	4.6			
Min Limit	3.15			
krad		0	30	31
LL		3.15	3.15	3.15
Min		3.98	3.98	3.98
Average		3.98	3.98	3.98
Max		3.98	3.98	3.98
UL		4.60	4.60	4.60

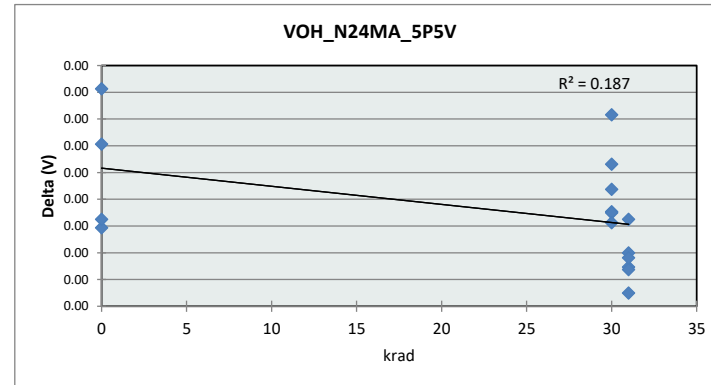


# TID Report

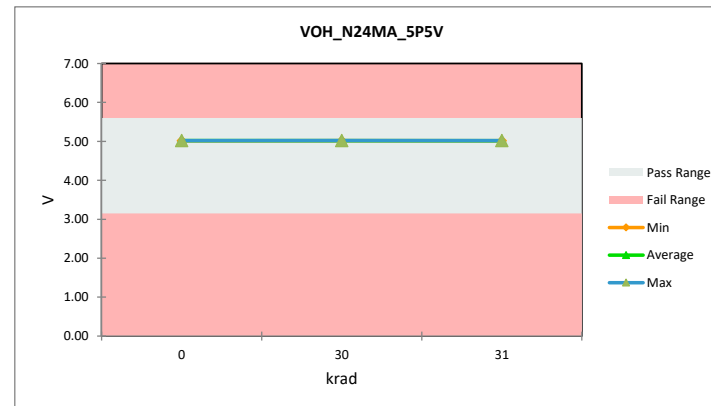
## SN54SC6T17-SEP

VOH_N24MA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	5.6
Min Limit	3.15

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.019	5.019	0.00	0.01%	0.02%
0	2	5.016	5.019	0.00	0.06%	0.13%
0	3	5.017	5.017	0.00	0.01%	0.03%
0	4	5.016	5.018	0.00	0.04%	0.08%
30	5	5.018	5.020	0.00	0.03%	0.07%
30	6	5.019	5.020	0.00	0.02%	0.03%
30	7	5.019	5.021	0.00	0.05%	0.11%
30	8	5.019	5.020	0.00	0.02%	0.05%
30	9	5.018	5.019	0.00	0.01%	0.03%
30	10	5.017	5.018	0.00	0.01%	0.02%
31	11	5.018	5.018	0.00	-0.01%	0.01%
31	12	5.019	5.019	0.00	0.00%	0.00%
31	13	5.019	5.019	0.00	0.01%	0.03%
31	14	5.019	5.019	0.00	-0.01%	0.01%
31	15	5.018	5.018	0.00	0.00%	0.00%
31	16	5.017	5.017	0.00	-0.01%	0.03%
Max		5.019	5.021	0.00	0.06%	0.13%
Average		5.018	5.019	0.00	0.02%	0.04%
Min		5.016	5.017	0.00	-0.01%	0.00%
Std Dev		0.001	0.001	0.00	0.02%	0.04%



VOH_N24MA_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	5.6			
Min Limit	3.15			
krad		0	30	31
LL		3.15	3.15	3.15
Min		5.02	5.02	5.02
Average		5.02	5.02	5.02
Max		5.02	5.02	5.02
UL		5.60	5.60	5.60



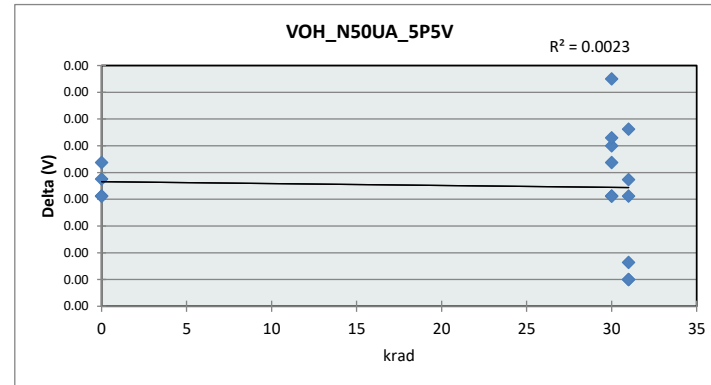


# TID Report

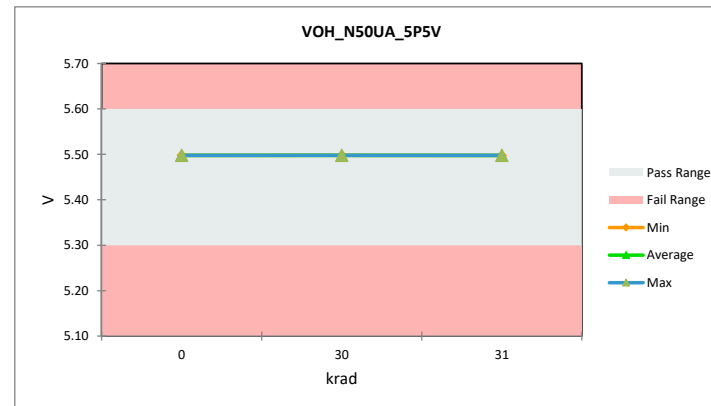
## SN54SC6T17-SEP

VOH_N50UA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	5.6
Min Limit	5.3

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.498	5.498	0.00	0.00%	0.01%
0	2	5.498	5.498	0.00	0.00%	0.03%
0	3	5.498	5.498	0.00	0.00%	0.02%
0	4	5.498	5.498	0.00	0.00%	0.03%
30	5	5.498	5.498	0.00	0.00%	0.03%
30	6	5.498	5.498	0.00	0.00%	0.04%
30	7	5.498	5.498	0.00	0.00%	0.00%
30	8	5.498	5.498	0.00	0.00%	0.03%
30	9	5.498	5.498	0.00	0.00%	0.00%
30	10	5.498	5.498	0.00	0.00%	0.01%
31	11	5.498	5.498	0.00	0.00%	0.08%
31	12	5.498	5.498	0.00	0.00%	0.02%
31	13	5.498	5.498	0.00	0.00%	0.03%
31	14	5.498	5.498	0.00	0.00%	0.07%
31	15	5.498	5.498	0.00	0.00%	0.08%
31	16	5.498	5.498	0.00	0.00%	0.01%
	Max	5.498	5.498	0.00	0.00%	0.08%
	Average	5.498	5.498	0.00	0.00%	0.03%
	Min	5.498	5.498	0.00	0.00%	0.00%
	Std Dev	0.000	0.000	0.00	0.00%	0.03%



VOH_N50UA_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	5.6			
Min Limit	5.3			
	krad	0	30	31
	LL	5.30	5.30	5.30
	Min	5.50	5.50	5.50
	Average	5.50	5.50	5.50
	Max	5.50	5.50	5.50
	UL	5.60	5.60	5.60

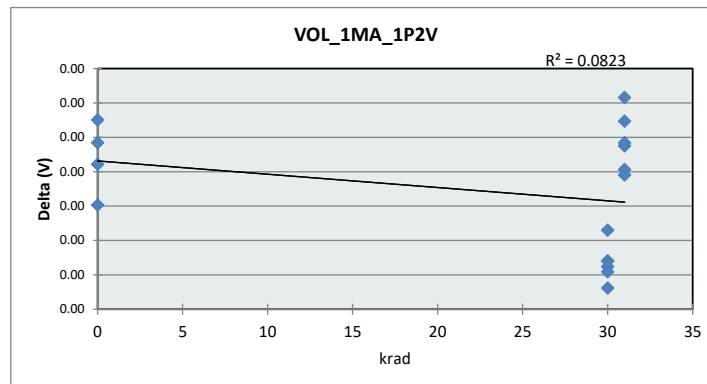


# TID Report

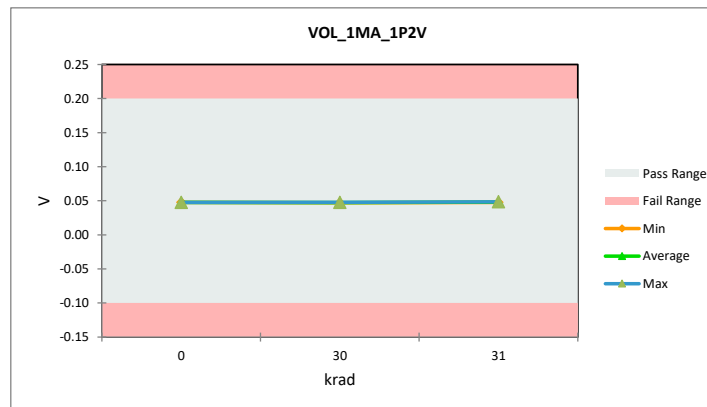
## SN54SC6T17-SEP

VOL_1MA_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.048	0.048	0.00	-0.07%	0.01%
0	2	0.048	0.048	0.00	0.21%	0.03%
0	3	0.048	0.048	0.00	-0.82%	0.13%
0	4	0.048	0.048	0.00	-0.33%	0.05%
30	5	0.048	0.047	0.00	-1.50%	0.24%
30	6	0.048	0.048	0.00	-1.12%	0.18%
30	7	0.048	0.048	0.00	-1.49%	0.24%
30	8	0.048	0.048	0.00	-1.55%	0.25%
30	9	0.048	0.047	0.00	-1.63%	0.26%
30	10	0.048	0.047	0.00	-1.82%	0.29%
31	11	0.048	0.048	0.00	-0.39%	0.06%
31	12	0.048	0.048	0.00	0.20%	0.03%
31	13	0.048	0.048	0.00	-0.45%	0.07%
31	14	0.048	0.048	0.00	-0.10%	0.02%
31	15	0.048	0.048	0.00	0.48%	0.08%
31	16	0.048	0.048	0.00	-0.07%	0.01%
Max		0.048	0.048	0.00	0.48%	0.29%
Average		0.048	0.048	0.00	-0.65%	0.12%
Min		0.048	0.047	0.00	-1.82%	0.01%
Std Dev		0.000	0.000	0.00	0.76%	0.10%



VOL_1MA_1P2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.2		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.05	0.05	0.05
Average	0.05	0.05	0.05
Max	0.05	0.05	0.05
UL	0.20	0.20	0.20

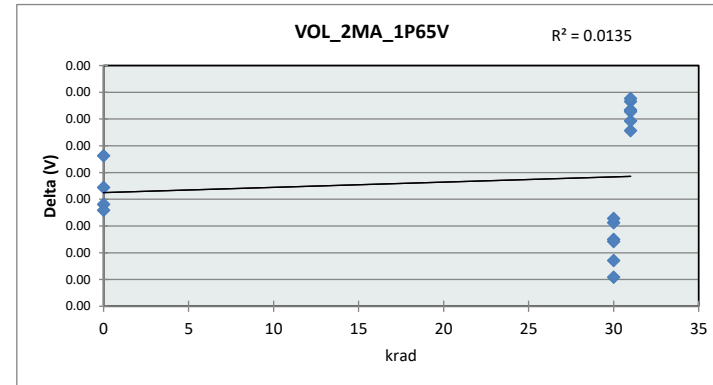


# TID Report

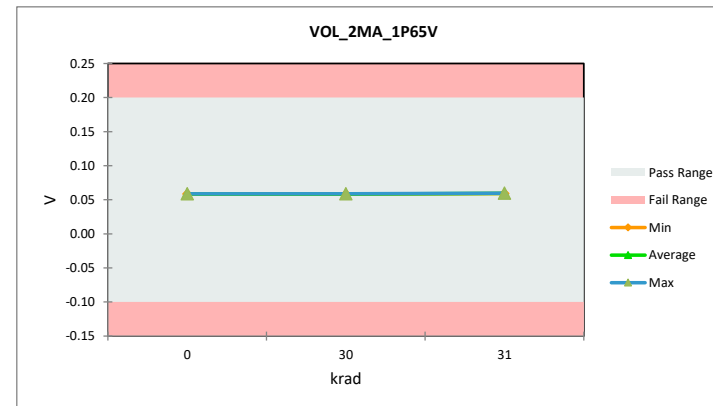
## SN54SC6T17-SEP

VOL_2MA_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.059	0.059	0.00	0.21%	0.04%
0	2	0.059	0.058	0.00	-0.40%	0.08%
0	3	0.059	0.059	0.00	-0.19%	0.04%
0	4	0.059	0.059	0.00	-0.48%	0.09%
30	5	0.059	0.058	0.00	-0.64%	0.13%
30	6	0.059	0.059	0.00	-0.85%	0.17%
30	7	0.059	0.058	0.00	-1.32%	0.26%
30	8	0.059	0.059	0.00	-0.58%	0.11%
30	9	0.059	0.058	0.00	-0.87%	0.17%
30	10	0.059	0.058	0.00	-1.11%	0.22%
31	11	0.059	0.059	0.00	0.91%	0.18%
31	12	0.059	0.059	0.00	0.53%	0.10%
31	13	0.059	0.059	0.00	0.79%	0.16%
31	14	0.059	0.060	0.00	0.94%	0.18%
31	15	0.059	0.059	0.00	0.77%	0.15%
31	16	0.059	0.059	0.00	0.65%	0.13%
Max		0.059	0.060	0.00	0.94%	0.26%
Average		0.059	0.059	0.00	-0.10%	0.14%
Min		0.059	0.058	0.00	-1.32%	0.04%
Std Dev		0.000	0.000	0.00	0.78%	0.06%



VOL_2MA_1P65V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.2			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.06	0.06	0.06
Average		0.06	0.06	0.06
Max		0.06	0.06	0.06
UL		0.20	0.20	0.20

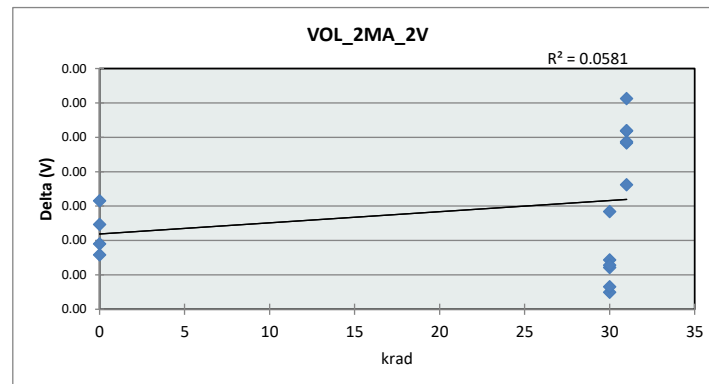


# TID Report

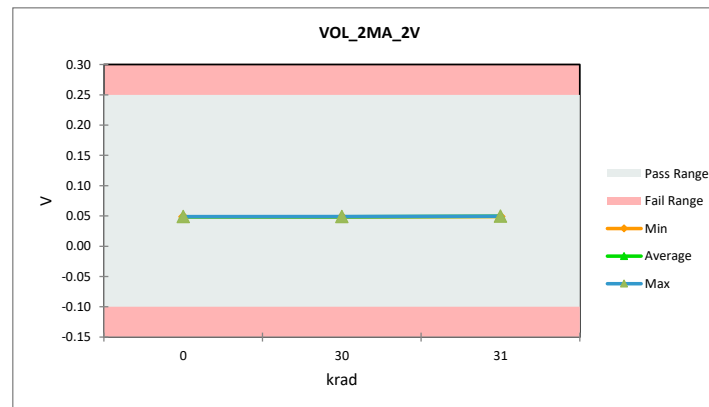
## SN54SC6T17-SEP

VOL_2MA_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.049	0.049	0.00	-0.22%	0.03%
0	2	0.049	0.049	0.00	-0.45%	0.06%
0	3	0.049	0.049	0.00	0.06%	0.01%
0	4	0.049	0.049	0.00	-0.58%	0.08%
30	5	0.049	0.048	0.00	-1.02%	0.14%
30	6	0.049	0.049	0.00	-0.64%	0.09%
30	7	0.049	0.049	0.00	-0.96%	0.13%
30	8	0.049	0.049	0.00	-0.06%	0.01%
30	9	0.049	0.049	0.00	-0.73%	0.10%
30	10	0.049	0.049	0.00	-0.70%	0.10%
31	11	0.049	0.049	0.00	0.26%	0.04%
31	12	0.049	0.049	0.00	0.75%	0.10%
31	13	0.049	0.049	0.00	0.77%	0.11%
31	14	0.049	0.050	0.00	1.28%	0.18%
31	15	0.049	0.050	0.00	0.89%	0.13%
31	16	0.049	0.049	0.00	0.90%	0.13%
Max		0.049	0.050	0.00	1.28%	0.18%
Average		0.049	0.049	0.00	-0.03%	0.09%
Min		0.049	0.048	0.00	-1.02%	0.01%
Std Dev		0.000	0.000	0.00	0.75%	0.05%



VOL_2MA_2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.25		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.05	0.05	0.05
Average	0.05	0.05	0.05
Max	0.05	0.05	0.05
UL	0.25	0.25	0.25

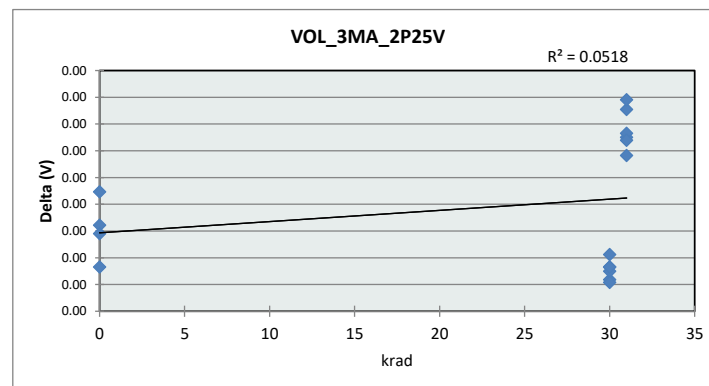


# TID Report

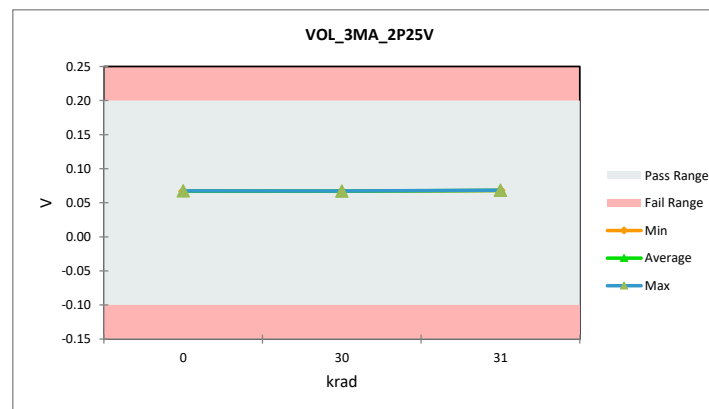
## SN54SC6T17-SEP

VOL_3MA_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.067	0.067	0.00	0.14%	0.03%
0	2	0.067	0.067	0.00	-0.70%	0.16%
0	3	0.067	0.067	0.00	-0.23%	0.05%
0	4	0.067	0.067	0.00	-0.32%	0.07%
30	5	0.067	0.067	0.00	-0.69%	0.16%
30	6	0.068	0.067	0.00	-0.55%	0.12%
30	7	0.067	0.067	0.00	-0.83%	0.19%
30	8	0.068	0.067	0.00	-0.74%	0.17%
30	9	0.068	0.067	0.00	-0.69%	0.16%
30	10	0.068	0.067	0.00	-0.86%	0.19%
31	11	0.067	0.068	0.00	0.74%	0.17%
31	12	0.068	0.068	0.00	0.79%	0.18%
31	13	0.067	0.068	0.00	1.05%	0.24%
31	14	0.068	0.068	0.00	0.54%	0.12%
31	15	0.068	0.068	0.00	1.16%	0.26%
31	16	0.068	0.068	0.00	0.71%	0.16%
Max		0.068	0.068	0.00	1.16%	0.26%
Average		0.068	0.068	0.00	-0.03%	0.15%
Min		0.067	0.067	0.00	-0.86%	0.03%
Std Dev		0.000	0.001	0.00	0.74%	0.06%



VOL_3MA_2P25V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.2		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.07	0.07	0.07
Average	0.07	0.07	0.07
Max	0.07	0.07	0.07
UL	0.20	0.20	0.20



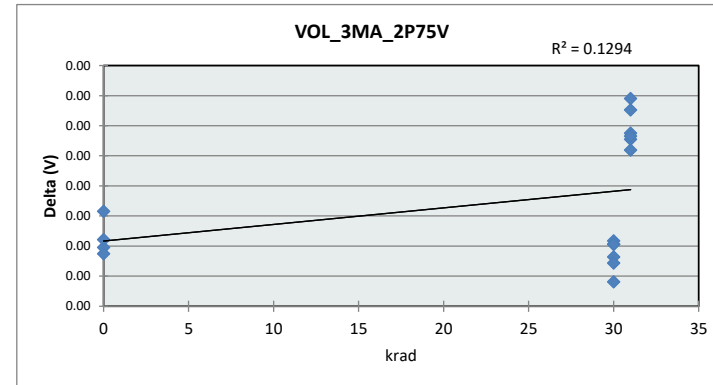


# TID Report

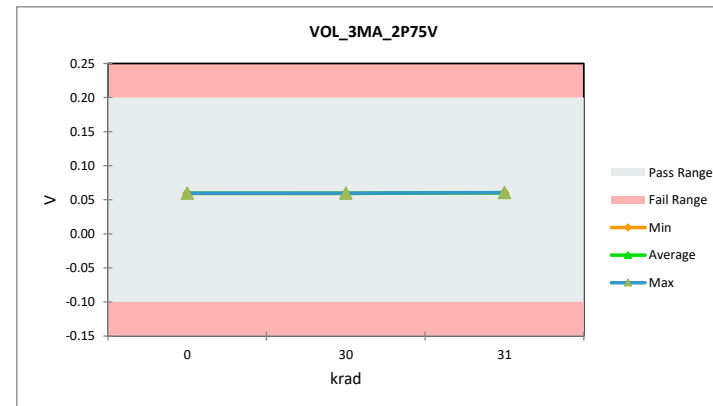
## SN54SC6T17-SEP

VOL_3MA_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.060	0.060	0.00	0.05%	0.01%
0	2	0.060	0.059	0.00	-0.35%	0.07%
0	3	0.060	0.060	0.00	-0.42%	0.08%
0	4	0.060	0.060	0.00	-0.26%	0.05%
30	5	0.060	0.059	0.00	-0.73%	0.15%
30	6	0.060	0.060	0.00	-0.46%	0.09%
30	7	0.060	0.059	0.00	-0.52%	0.10%
30	8	0.060	0.060	0.00	-0.28%	0.06%
30	9	0.060	0.060	0.00	-0.31%	0.06%
30	10	0.060	0.059	0.00	-0.32%	0.06%
31	11	0.060	0.060	0.00	0.73%	0.15%
31	12	0.060	0.060	0.00	0.92%	0.18%
31	13	0.060	0.060	0.00	0.85%	0.17%
31	14	0.060	0.060	0.00	0.89%	0.18%
31	15	0.060	0.061	0.00	1.18%	0.24%
31	16	0.060	0.060	0.00	1.31%	0.26%
Max		0.060	0.061	0.00	1.31%	0.26%
Average		0.060	0.060	0.00	0.14%	0.12%
Min		0.060	0.059	0.00	-0.73%	0.01%
Std Dev		0.000	0.000	0.00	0.70%	0.07%



VOL_3MA_2P75V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.2			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.06	0.06	0.06
Average		0.06	0.06	0.06
Max		0.06	0.06	0.06
UL		0.20	0.20	0.20

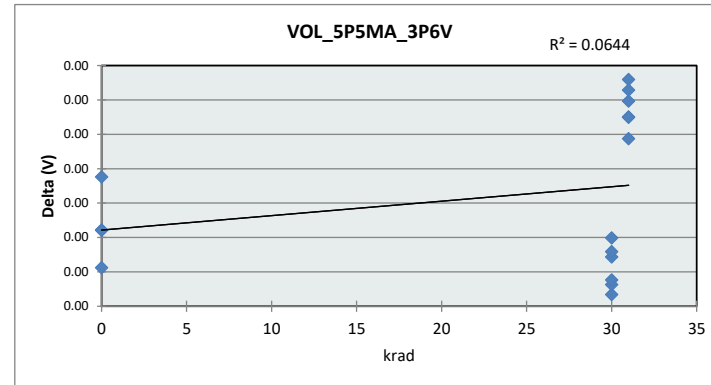


# TID Report

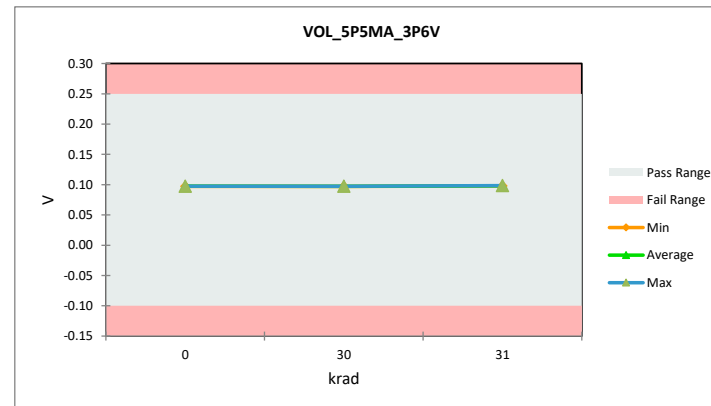
## SN54SC6T17-SEP

VOL_5P5MA_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.097	0.097	0.00	0.16%	0.04%
0	2	0.098	0.097	0.00	-0.38%	0.11%
0	3	0.098	0.098	0.00	-0.16%	0.04%
0	4	0.098	0.097	0.00	-0.16%	0.04%
30	5	0.098	0.097	0.00	-0.32%	0.09%
30	6	0.097	0.097	0.00	-0.29%	0.08%
30	7	0.098	0.097	0.00	-0.54%	0.15%
30	8	0.098	0.097	0.00	-0.21%	0.06%
30	9	0.098	0.097	0.00	-0.48%	0.14%
30	10	0.098	0.097	0.00	-0.46%	0.13%
31	11	0.098	0.098	0.00	0.38%	0.11%
31	12	0.097	0.098	0.00	0.51%	0.14%
31	13	0.098	0.098	0.00	0.61%	0.17%
31	14	0.098	0.098	0.00	0.67%	0.19%
31	15	0.098	0.098	0.00	0.51%	0.14%
31	16	0.098	0.098	0.00	0.74%	0.21%
Max		0.098	0.098	0.00	0.74%	0.21%
Average		0.098	0.098	0.00	0.04%	0.11%
Min		0.097	0.097	0.00	-0.54%	0.04%
Std Dev		0.000	0.000	0.00	0.46%	0.05%



VOL_5P5MA_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.25			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.10	0.10	0.10
Average		0.10	0.10	0.10
Max		0.10	0.10	0.10
UL		0.25	0.25	0.25

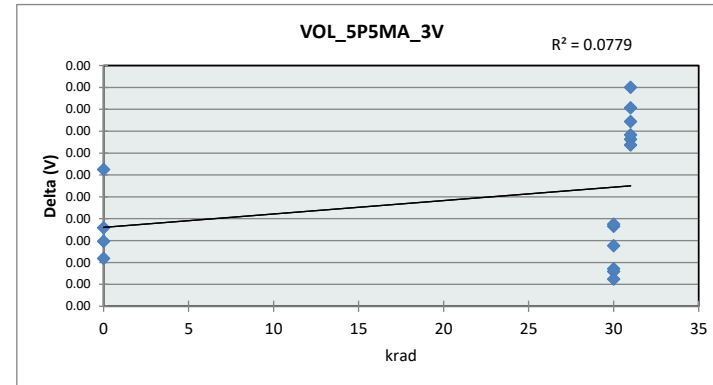


# TID Report

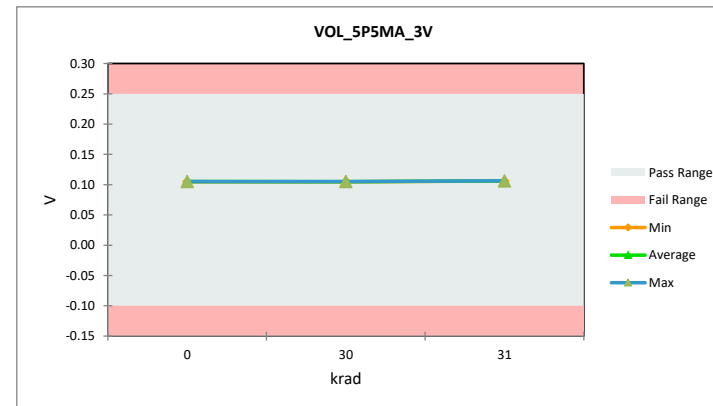
## SN54SC6T17-SEP

VOL_5P5MA_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.105	0.105	0.00	0.24%	0.07%
0	2	0.105	0.105	0.00	-0.39%	0.12%
0	3	0.105	0.105	0.00	-0.27%	0.08%
0	4	0.105	0.105	0.00	-0.53%	0.16%
30	5	0.105	0.105	0.00	-0.62%	0.19%
30	6	0.106	0.105	0.00	-0.65%	0.19%
30	7	0.105	0.105	0.00	-0.71%	0.21%
30	8	0.105	0.105	0.00	-0.25%	0.08%
30	9	0.106	0.105	0.00	-0.42%	0.13%
30	10	0.105	0.105	0.00	-0.24%	0.07%
31	11	0.105	0.106	0.00	0.50%	0.15%
31	12	0.106	0.106	0.00	0.45%	0.14%
31	13	0.105	0.106	0.00	0.54%	0.16%
31	14	0.105	0.106	0.00	0.65%	0.20%
31	15	0.106	0.106	0.00	0.77%	0.23%
31	16	0.105	0.106	0.00	0.95%	0.29%
Max		0.106	0.106	0.00	0.95%	0.29%
Average		0.105	0.105	0.00	0.00%	0.15%
Min		0.105	0.105	0.00	-0.71%	0.07%
Std Dev		0.000	0.001	0.00	0.57%	0.06%



VOL_5P5MA_3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.25			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.10	0.10	0.11
Average		0.11	0.10	0.11
Max		0.11	0.11	0.11
UL		0.25	0.25	0.25

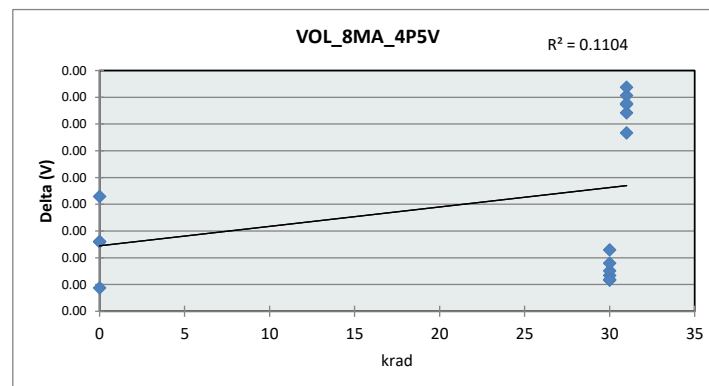


# TID Report

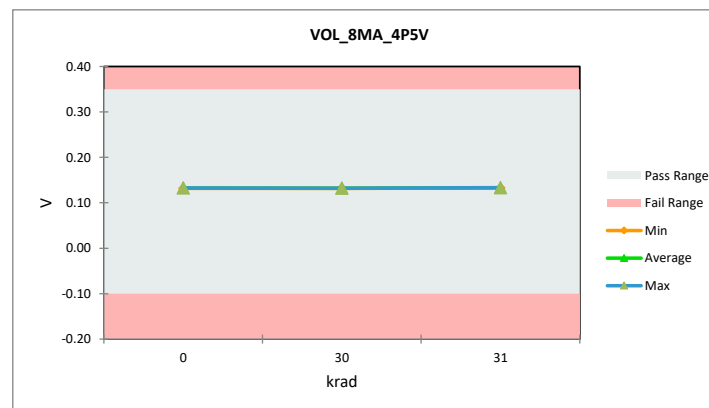
## SN54SC6T17-SEP

VOL_8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.132	0.132	0.00	0.05%	0.01%
0	2	0.132	0.132	0.00	-0.47%	0.14%
0	3	0.133	0.133	0.00	-0.21%	0.06%
0	4	0.132	0.132	0.00	-0.21%	0.06%
30	5	0.132	0.132	0.00	-0.40%	0.12%
30	6	0.132	0.132	0.00	-0.38%	0.11%
30	7	0.132	0.132	0.00	-0.43%	0.13%
30	8	0.132	0.132	0.00	-0.43%	0.13%
30	9	0.133	0.132	0.00	-0.33%	0.10%
30	10	0.132	0.132	0.00	-0.26%	0.08%
31	11	0.132	0.133	0.00	0.61%	0.18%
31	12	0.132	0.133	0.00	0.40%	0.12%
31	13	0.132	0.133	0.00	0.56%	0.17%
31	14	0.132	0.133	0.00	0.52%	0.15%
31	15	0.133	0.133	0.00	0.66%	0.19%
31	16	0.132	0.133	0.00	0.57%	0.17%
Max		0.133	0.133	0.00	0.66%	0.19%
Average		0.132	0.132	0.00	0.02%	0.12%
Min		0.132	0.132	0.00	-0.47%	0.01%
Std Dev		0.000	0.001	0.00	0.45%	0.05%



VOL_8MA_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.35			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.13	0.13	0.13
Average		0.13	0.13	0.13
Max		0.13	0.13	0.13
UL		0.35	0.35	0.35

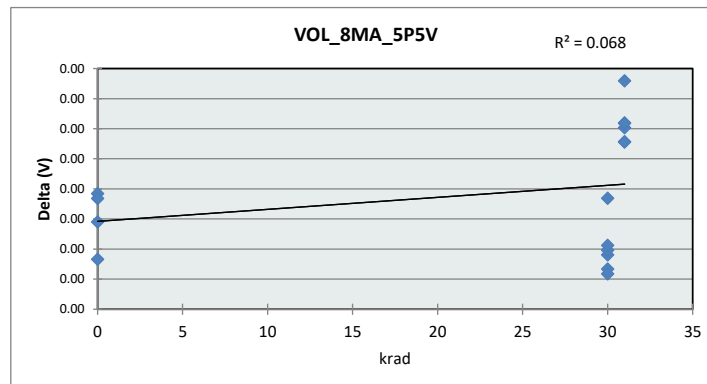


# TID Report

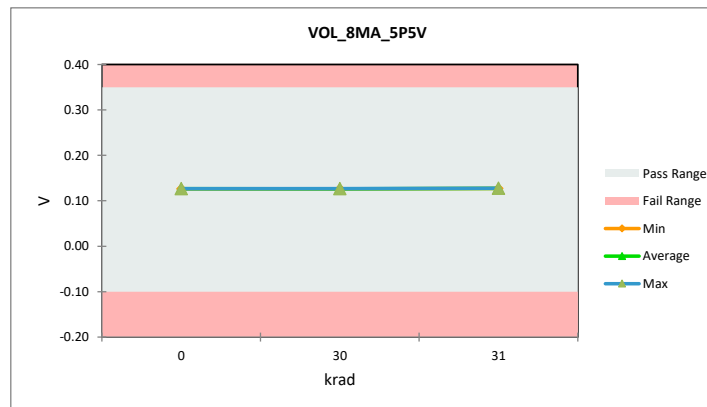
## SN54SC6T17-SEP

VOL_8MA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.127	0.127	0.00	-0.02%	0.01%
0	2	0.127	0.126	0.00	-0.37%	0.10%
0	3	0.127	0.127	0.00	-0.05%	0.01%
0	4	0.127	0.126	0.00	-0.17%	0.05%
30	5	0.127	0.126	0.00	-0.35%	0.10%
30	6	0.127	0.126	0.00	-0.42%	0.12%
30	7	0.127	0.126	0.00	-0.44%	0.13%
30	8	0.127	0.126	0.00	-0.32%	0.09%
30	9	0.127	0.127	0.00	-0.05%	0.01%
30	10	0.127	0.126	0.00	-0.30%	0.08%
31	11	0.127	0.127	0.00	0.25%	0.07%
31	12	0.127	0.127	0.00	0.25%	0.07%
31	13	0.127	0.127	0.00	0.32%	0.09%
31	14	0.127	0.127	0.00	0.35%	0.10%
31	15	0.127	0.128	0.00	0.57%	0.16%
31	16	0.127	0.127	0.00	0.35%	0.10%
Max		0.127	0.128	0.00	0.57%	0.16%
Average		0.127	0.127	0.00	-0.03%	0.08%
Min		0.127	0.126	0.00	-0.44%	0.01%
Std Dev		0.000	0.000	0.00	0.33%	0.04%



VOL_8MA_5P5V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.35		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.13	0.13	0.13
Average	0.13	0.13	0.13
Max	0.13	0.13	0.13
UL	0.35	0.35	0.35

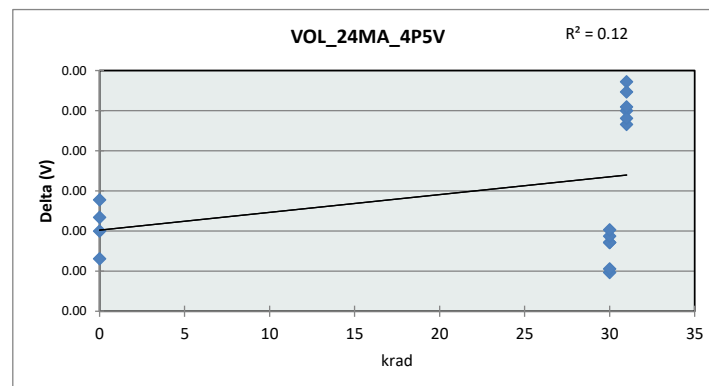


# TID Report

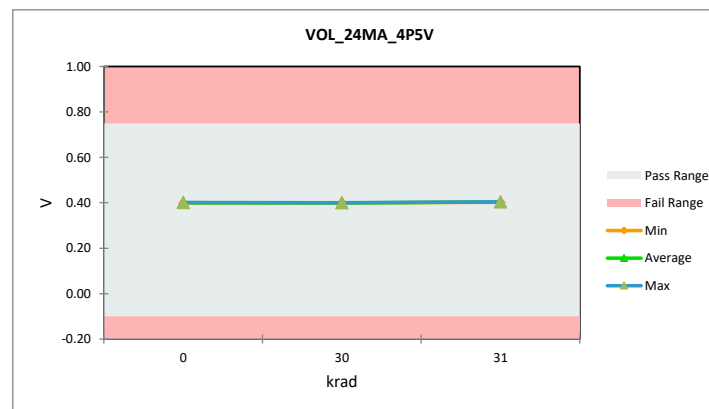
## SN54SC6T17-SEP

VOL_24MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.75
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.401	0.401	0.00	-0.05%	0.03%
0	2	0.401	0.399	0.00	-0.42%	0.20%
0	3	0.402	0.402	0.00	-0.16%	0.08%
0	4	0.401	0.400	0.00	-0.25%	0.12%
30	5	0.402	0.400	0.00	-0.51%	0.24%
30	6	0.400	0.399	0.00	-0.32%	0.15%
30	7	0.401	0.399	0.00	-0.48%	0.23%
30	8	0.401	0.400	0.00	-0.32%	0.15%
30	9	0.401	0.400	0.00	-0.28%	0.13%
30	10	0.401	0.400	0.00	-0.24%	0.11%
31	11	0.402	0.403	0.00	0.41%	0.19%
31	12	0.400	0.402	0.00	0.50%	0.24%
31	13	0.401	0.403	0.00	0.45%	0.21%
31	14	0.401	0.403	0.00	0.52%	0.25%
31	15	0.401	0.404	0.00	0.68%	0.32%
31	16	0.401	0.403	0.00	0.62%	0.29%
Max		0.402	0.404	0.00	0.68%	0.32%
Average		0.401	0.401	0.00	0.01%	0.18%
Min		0.400	0.399	0.00	-0.51%	0.03%
Std Dev		0.000	0.002	0.00	0.43%	0.08%



VOL_24MA_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.75			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.40	0.40	0.40
Average		0.40	0.40	0.40
Max		0.40	0.40	0.40
UL		0.75	0.75	0.75

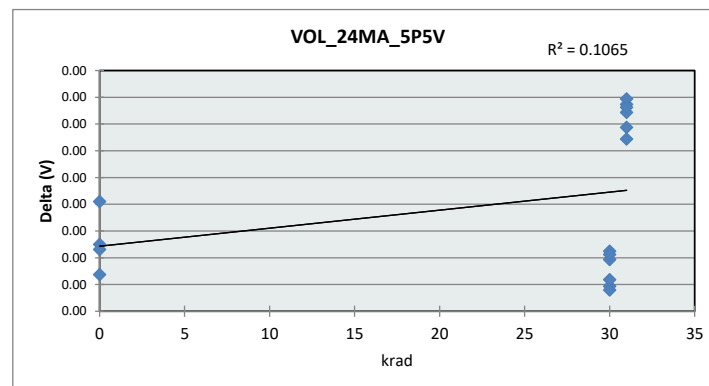


# TID Report

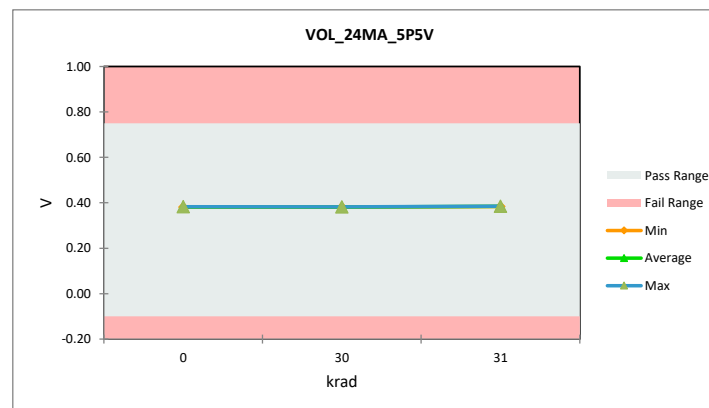
## SN54SC6T17-SEP

VOL_24MA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.75
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.383	0.383	0.00	0.01%	0.01%
0	2	0.382	0.381	0.00	-0.34%	0.15%
0	3	0.384	0.383	0.00	-0.20%	0.09%
0	4	0.383	0.382	0.00	-0.22%	0.10%
30	5	0.383	0.382	0.00	-0.40%	0.18%
30	6	0.382	0.381	0.00	-0.23%	0.10%
30	7	0.382	0.381	0.00	-0.42%	0.19%
30	8	0.383	0.381	0.00	-0.37%	0.17%
30	9	0.383	0.382	0.00	-0.27%	0.12%
30	10	0.383	0.382	0.00	-0.25%	0.11%
31	11	0.383	0.385	0.00	0.32%	0.14%
31	12	0.382	0.384	0.00	0.45%	0.20%
31	13	0.382	0.384	0.00	0.49%	0.22%
31	14	0.383	0.384	0.00	0.38%	0.17%
31	15	0.383	0.385	0.00	0.51%	0.23%
31	16	0.383	0.384	0.00	0.47%	0.21%
Max		0.384	0.385	0.00	0.51%	0.23%
Average		0.383	0.383	0.00	0.00%	0.15%
Min		0.382	0.381	0.00	-0.42%	0.01%
Std Dev		0.001	0.001	0.00	0.37%	0.06%



VOL_24MA_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.75			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.38	0.38	0.38
Average		0.38	0.38	0.38
Max		0.38	0.38	0.39
UL		0.75	0.75	0.75

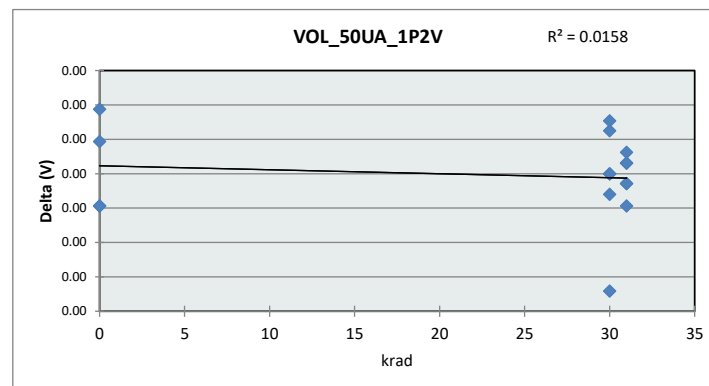


# TID Report

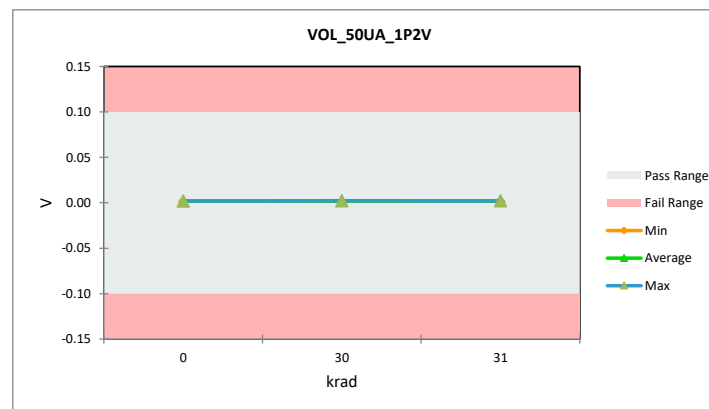
## SN54SC6T17-SEP

VOL_50UA_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.1
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	0.00	-4.74%	0.05%
0	2	0.002	0.002	0.00	11.04%	0.09%
0	3	0.002	0.002	0.00	-4.97%	0.05%
0	4	0.002	0.002	0.00	5.06%	0.05%
30	5	0.002	0.002	0.00	0.00%	0.00%
30	6	0.002	0.002	0.00	6.52%	0.06%
30	7	0.002	0.002	0.00	-16.23%	0.17%
30	8	0.002	0.002	0.00	8.02%	0.08%
30	9	0.002	0.002	0.00	-3.03%	0.03%
30	10	0.002	0.002	0.00	0.00%	0.00%
31	11	0.002	0.002	0.00	3.26%	0.03%
31	12	0.002	0.002	0.00	1.63%	0.02%
31	13	0.002	0.002	0.00	-1.36%	0.01%
31	14	0.002	0.002	0.00	-4.89%	0.05%
31	15	0.002	0.002	0.00	-1.45%	0.01%
31	16	0.002	0.002	0.00	1.60%	0.02%
Max		0.002	0.002	0.00	11.04%	0.17%
Average		0.002	0.002	0.00	0.03%	0.04%
Min		0.002	0.002	0.00	-16.23%	0.00%
Std Dev		0.000	0.000	0.00	6.42%	0.04%



VOL_50UA_1P2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.1		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.00	0.00	0.00
Average	0.00	0.00	0.00
Max	0.00	0.00	0.00
UL	0.10	0.10	0.10



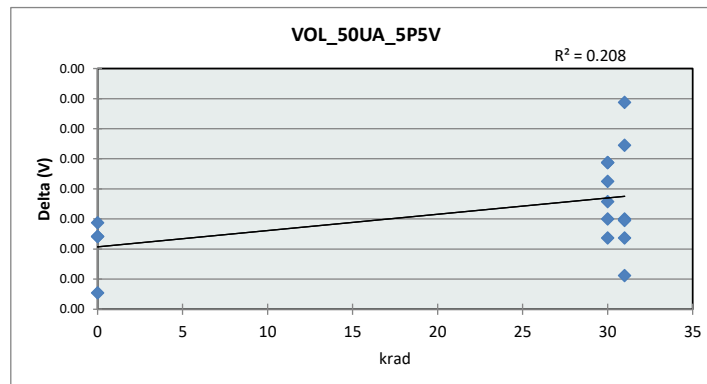


# TID Report

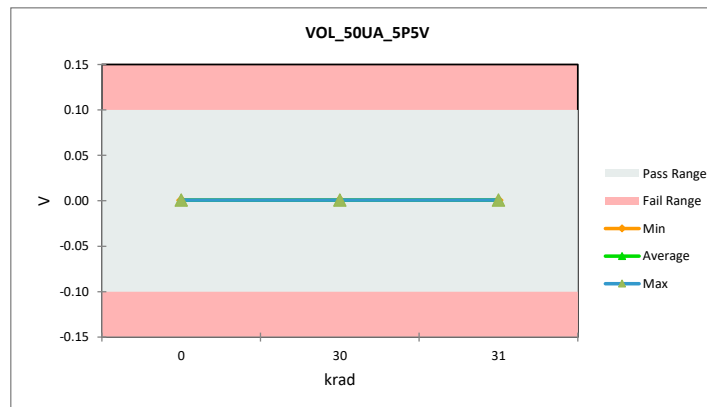
## SN54SC6T17-SEP

VOL_50UA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.1
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	-0.97%	0.00%
0	2	0.001	0.001	0.00	-4.14%	0.01%
0	3	0.001	0.001	0.00	-3.65%	0.01%
0	4	0.001	0.001	0.00	-14.93%	0.06%
30	5	0.001	0.001	0.00	0.00%	0.00%
30	6	0.001	0.001	0.00	-3.95%	0.02%
30	7	0.001	0.001	0.00	14.06%	0.05%
30	8	0.001	0.001	0.00	4.54%	0.01%
30	9	0.001	0.001	0.00	9.37%	0.03%
30	10	0.001	0.001	0.00	15.51%	0.05%
31	11	0.001	0.001	0.00	0.00%	0.00%
31	12	0.001	0.001	0.00	-11.84%	0.05%
31	13	0.001	0.001	0.00	-4.69%	0.02%
31	14	0.001	0.001	0.00	19.28%	0.06%
31	15	0.001	0.001	0.00	-0.36%	0.00%
31	16	0.001	0.001	0.00	32.05%	0.10%
Max		0.001	0.001	0.00	32.05%	0.10%
Average		0.001	0.001	0.00	3.14%	0.03%
Min		0.001	0.001	0.00	-14.93%	0.00%
Std Dev		0.000	0.000	0.00	12.17%	0.03%



VOL_50UA_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.1			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.00	0.00	0.00
Average		0.00	0.00	0.00
Max		0.00	0.00	0.00
UL		0.10	0.10	0.10

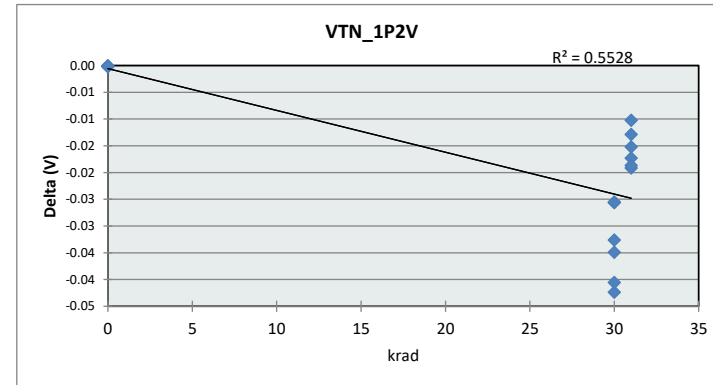


# TID Report

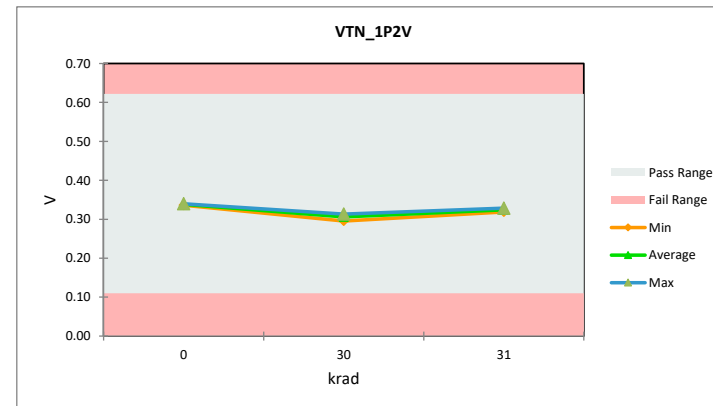
## SN54SC6T17-SEP

VTN_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.622
Min Limit	0.11

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.338	0.338	0.00	-0.01%	0.01%
0	2	0.340	0.340	0.00	-0.05%	0.03%
0	3	0.336	0.336	0.00	-0.04%	0.03%
0	4	0.340	0.340	0.00	-0.02%	0.01%
30	5	0.342	0.310	-0.03	-9.52%	6.37%
30	6	0.339	0.313	-0.03	-7.57%	5.00%
30	7	0.340	0.306	-0.03	-10.25%	6.82%
30	8	0.338	0.295	-0.04	-12.54%	8.28%
30	9	0.340	0.299	-0.04	-11.93%	7.92%
30	10	0.339	0.313	-0.03	-7.53%	4.98%
31	11	0.342	0.325	-0.02	-5.05%	3.37%
31	12	0.339	0.328	-0.01	-3.01%	1.99%
31	13	0.340	0.325	-0.02	-4.46%	2.97%
31	14	0.338	0.319	-0.02	-5.66%	3.74%
31	15	0.340	0.321	-0.02	-5.49%	3.65%
31	16	0.339	0.326	-0.01	-3.80%	2.51%
Max		0.342	0.340	0.00	-0.01%	8.28%
Average		0.339	0.321	-0.02	-5.43%	3.60%
Min		0.336	0.295	-0.04	-12.54%	0.01%
Std Dev		0.002	0.014	0.01	4.23%	2.80%



VTN_1P2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	0.622		
Min Limit	0.11		
	0	30	31
LL	0.11	0.11	0.11
Min	0.34	0.30	0.32
Average	0.34	0.31	0.32
Max	0.34	0.31	0.33
UL	0.62	0.62	0.62

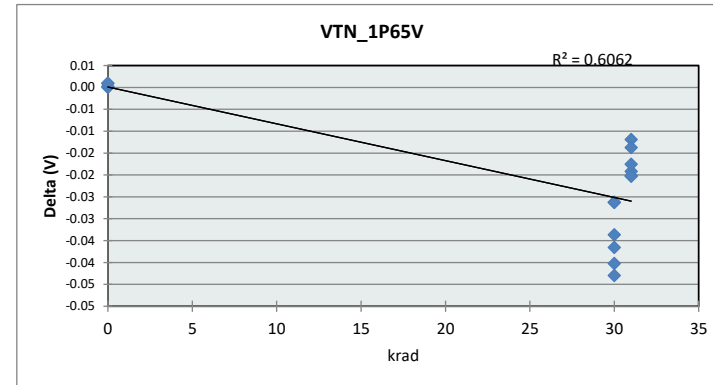


# TID Report

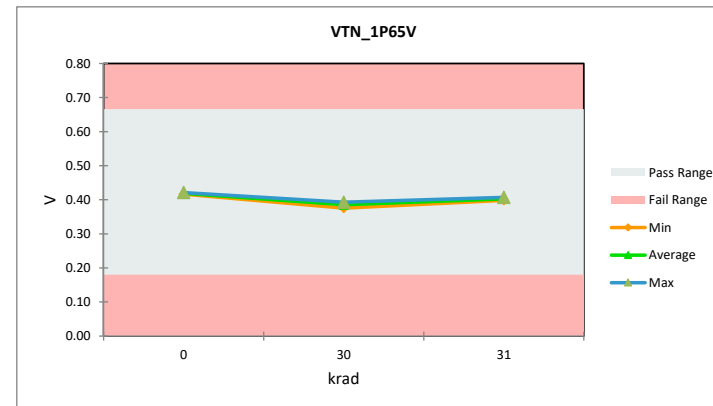
## SN54SC6T17-SEP

VTN_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.666
Min Limit	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.417	0.417	0.00	0.01%	0.01%
0	2	0.420	0.421	0.00	0.22%	0.19%
0	3	0.416	0.417	0.00	0.06%	0.05%
0	4	0.420	0.421	0.00	0.22%	0.19%
30	5	0.422	0.389	-0.03	-7.96%	6.92%
30	6	0.419	0.393	-0.03	-6.26%	5.40%
30	7	0.421	0.385	-0.04	-8.67%	7.52%
30	8	0.419	0.376	-0.04	-10.26%	8.84%
30	9	0.419	0.379	-0.04	-9.59%	8.28%
30	10	0.418	0.392	-0.03	-6.27%	5.39%
31	11	0.422	0.403	-0.02	-4.54%	3.95%
31	12	0.419	0.407	-0.01	-2.83%	2.44%
31	13	0.421	0.404	-0.02	-4.16%	3.61%
31	14	0.419	0.398	-0.02	-4.84%	4.17%
31	15	0.419	0.399	-0.02	-4.80%	4.14%
31	16	0.418	0.405	-0.01	-3.28%	2.83%
Max		0.422	0.421	0.00	0.22%	8.84%
Average		0.419	0.400	-0.02	-4.56%	4.00%
Min		0.416	0.376	-0.04	-10.26%	0.01%
Std Dev		0.002	0.014	0.01	3.51%	2.96%



VTN_1P65V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.666			
Min Limit	0.18			
LL		0.18	0.18	0.18
Min		0.42	0.38	0.40
Average		0.42	0.39	0.40
Max		0.42	0.39	0.41
UL		0.67	0.67	0.67

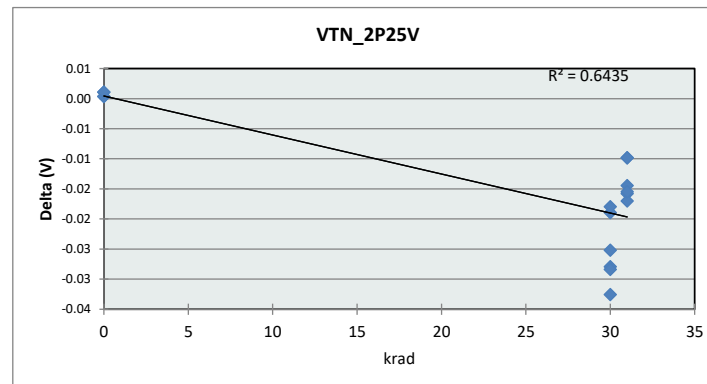


# TID Report

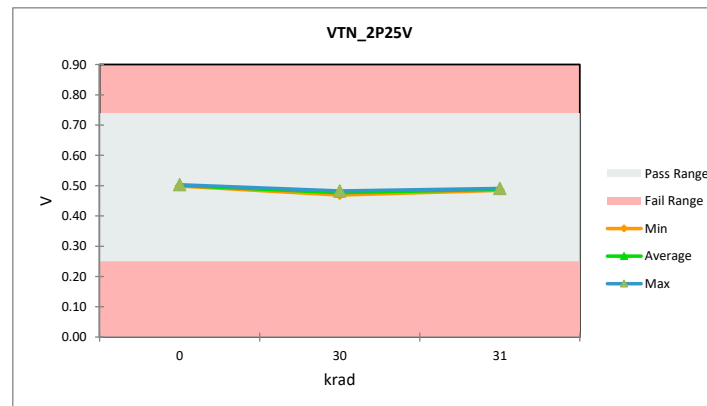
## SN54SC6T17-SEP

VTN_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.74
Min Limit	0.25

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.498	0.499	0.00	0.07%	0.08%
0	2	0.502	0.503	0.00	0.22%	0.22%
0	3	0.498	0.499	0.00	0.08%	0.08%
0	4	0.501	0.502	0.00	0.22%	0.23%
30	5	0.504	0.479	-0.03	-4.99%	5.14%
30	6	0.501	0.482	-0.02	-3.78%	3.86%
30	7	0.504	0.476	-0.03	-5.54%	5.70%
30	8	0.501	0.469	-0.03	-6.49%	6.64%
30	9	0.501	0.473	-0.03	-5.66%	5.79%
30	10	0.501	0.483	-0.02	-3.59%	3.66%
31	11	0.504	0.489	-0.02	-3.13%	3.22%
31	12	0.501	0.491	-0.01	-1.96%	2.00%
31	13	0.504	0.489	-0.01	-2.87%	2.95%
31	14	0.501	0.484	-0.02	-3.39%	3.47%
31	15	0.501	0.486	-0.02	-3.09%	3.16%
31	16	0.501	0.491	-0.01	-1.97%	2.01%
Max		0.504	0.503	0.00	0.22%	6.64%
Average		0.501	0.487	-0.01	-2.87%	3.01%
Min		0.498	0.469	-0.03	-6.49%	0.08%
Std Dev		0.002	0.010	0.01	2.20%	2.14%



VTN_2P25V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.74			
Min Limit	0.25			
LL		0.25	0.25	0.25
Min		0.50	0.47	0.48
Average		0.50	0.48	0.49
Max		0.50	0.48	0.49
UL		0.74	0.74	0.74

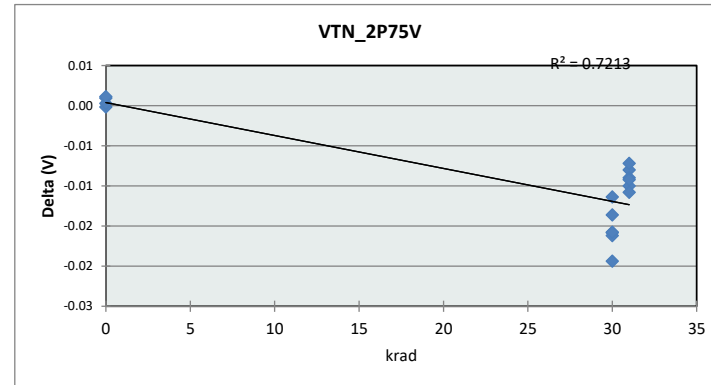


# TID Report

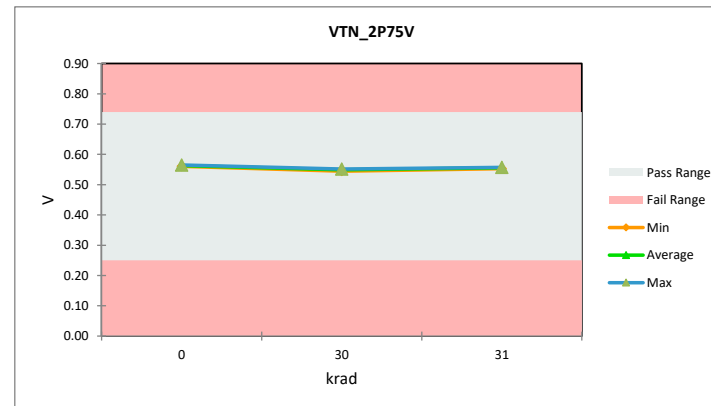
## SN54SC6T17-SEP

VTN_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.74
Min Limit	0.25

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.561	0.560	0.00	-0.03%	0.03%
0	2	0.564	0.565	0.00	0.17%	0.19%
0	3	0.561	0.561	0.00	0.05%	0.06%
0	4	0.564	0.565	0.00	0.20%	0.23%
30	5	0.567	0.551	-0.02	-2.79%	3.23%
30	6	0.564	0.550	-0.01	-2.41%	2.78%
30	7	0.566	0.550	-0.02	-2.86%	3.30%
30	8	0.564	0.544	-0.02	-3.44%	3.95%
30	9	0.563	0.547	-0.02	-2.80%	3.22%
30	10	0.563	0.552	-0.01	-2.02%	2.32%
31	11	0.567	0.557	-0.01	-1.76%	2.04%
31	12	0.564	0.556	-0.01	-1.42%	1.63%
31	13	0.566	0.557	-0.01	-1.59%	1.83%
31	14	0.564	0.553	-0.01	-1.91%	2.20%
31	15	0.563	0.554	-0.01	-1.64%	1.88%
31	16	0.563	0.556	-0.01	-1.28%	1.47%
Max		0.567	0.565	0.00	0.20%	3.95%
Average		0.564	0.555	-0.01	-1.60%	1.90%
Min		0.561	0.544	-0.02	-3.44%	0.03%
Std Dev		0.002	0.006	0.00	1.17%	1.25%



VTN_2P75V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.74			
Min Limit	0.25			
LL		0.25	0.25	0.25
Min		0.56	0.54	0.55
Average		0.56	0.55	0.56
Max		0.56	0.55	0.56
UL		0.74	0.74	0.74

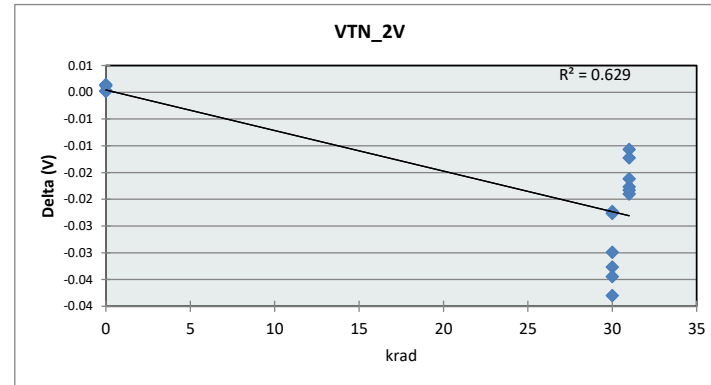


# TID Report

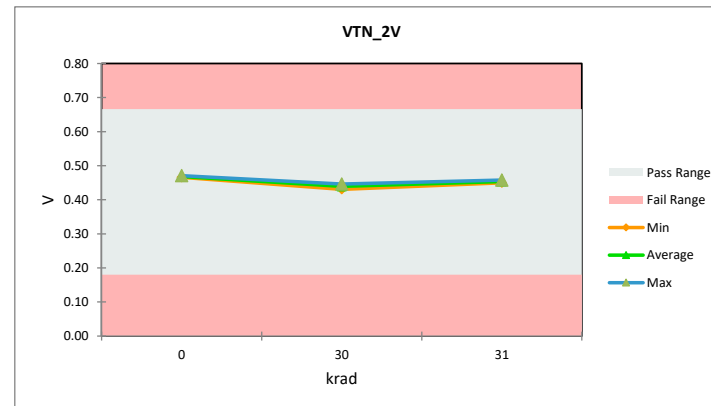
## SN54SC6T17-SEP

VTN_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.666
Min Limit	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.466	0.466	0.00	0.07%	0.07%
0	2	0.469	0.471	0.00	0.31%	0.30%
0	3	0.466	0.466	0.00	0.04%	0.04%
0	4	0.469	0.470	0.00	0.26%	0.25%
30	5	0.472	0.442	-0.03	-6.33%	6.15%
30	6	0.469	0.446	-0.02	-4.76%	4.59%
30	7	0.471	0.438	-0.03	-6.94%	6.72%
30	8	0.469	0.431	-0.04	-8.11%	7.82%
30	9	0.469	0.434	-0.03	-7.35%	7.09%
30	10	0.468	0.445	-0.02	-4.83%	4.65%
31	11	0.472	0.454	-0.02	-3.74%	3.63%
31	12	0.469	0.458	-0.01	-2.27%	2.19%
31	13	0.471	0.455	-0.02	-3.43%	3.33%
31	14	0.469	0.450	-0.02	-4.05%	3.91%
31	15	0.469	0.450	-0.02	-3.90%	3.76%
31	16	0.468	0.456	-0.01	-2.62%	2.52%
Max		0.472	0.471	0.00	0.31%	7.82%
Average		0.469	0.452	-0.02	-3.60%	3.56%
Min		0.466	0.431	-0.04	-8.11%	0.04%
Std Dev		0.002	0.012	0.01	2.78%	2.57%



VTN_2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.666			
Min Limit	0.18			
LL		0.18	0.18	0.18
Min		0.47	0.43	0.45
Average		0.47	0.44	0.45
Max		0.47	0.45	0.46
UL		0.67	0.67	0.67

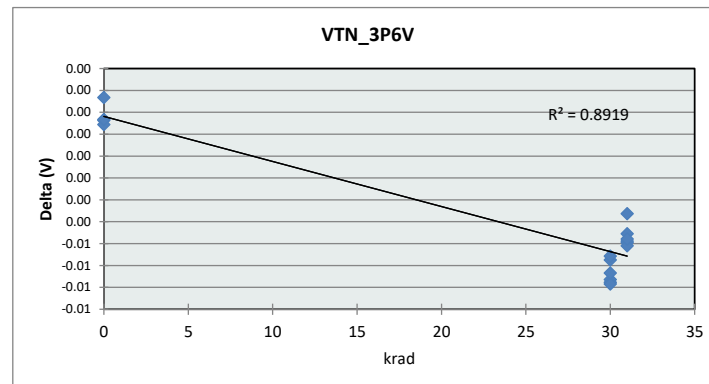


# TID Report

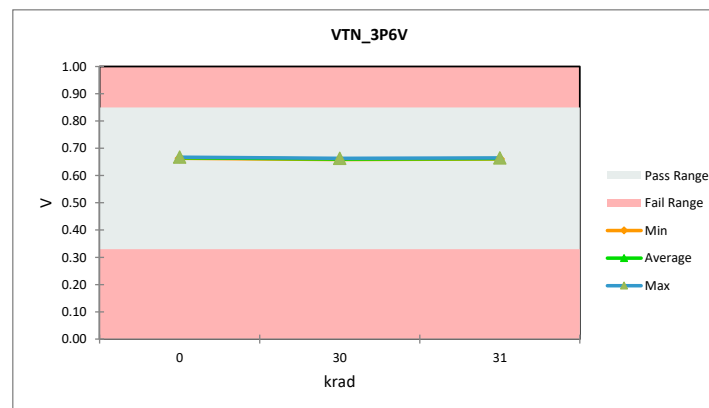
## SN54SC6T17-SEP

VTN_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.85
Min Limit	0.33

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.663	0.663	0.00	0.10%	0.12%
0	2	0.666	0.666	0.00	0.07%	0.08%
0	3	0.663	0.664	0.00	0.10%	0.13%
0	4	0.666	0.667	0.00	0.25%	0.32%
30	5	0.670	0.663	-0.01	-0.99%	1.28%
30	6	0.664	0.659	-0.01	-0.86%	1.10%
30	7	0.669	0.663	-0.01	-0.83%	1.07%
30	8	0.666	0.659	-0.01	-1.02%	1.30%
30	9	0.666	0.659	-0.01	-1.03%	1.32%
30	10	0.666	0.659	-0.01	-0.95%	1.22%
31	11	0.670	0.665	0.00	-0.73%	0.94%
31	12	0.664	0.661	0.00	-0.55%	0.70%
31	13	0.669	0.664	0.00	-0.68%	0.87%
31	14	0.666	0.661	0.00	-0.74%	0.95%
31	15	0.666	0.661	-0.01	-0.77%	0.98%
31	16	0.666	0.661	0.00	-0.72%	0.92%
Max		0.670	0.667	0.00	0.25%	1.32%
Average		0.666	0.662	0.00	-0.58%	0.83%
Min		0.663	0.659	0.00	-1.03%	0.08%
Std Dev		0.002	0.003	0.00	0.45%	0.43%



VTN_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.85			
Min Limit	0.33			
LL		0.33	0.33	0.33
Min		0.66	0.66	0.66
Average		0.67	0.66	0.66
Max		0.67	0.66	0.66
UL		0.85	0.85	0.85

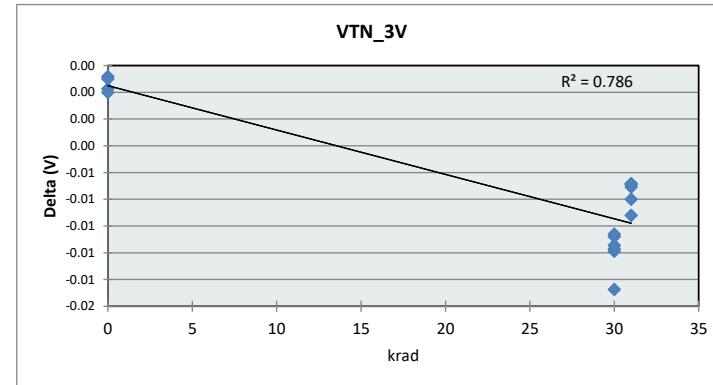


# TID Report

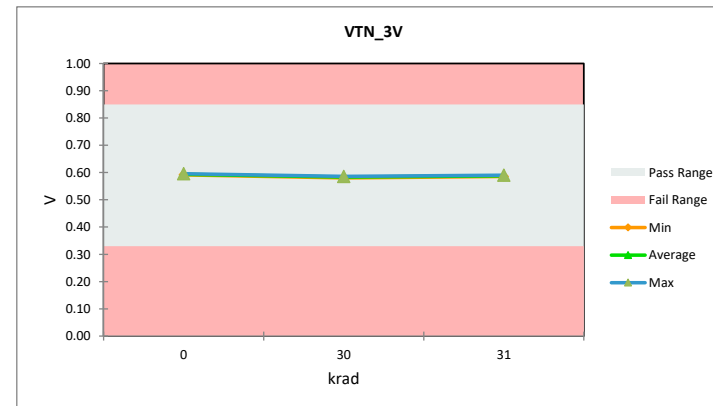
## SN54SC6T17-SEP

VTN_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	0.85
Min Limit	0.33

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.591	0.591	0.00	0.05%	0.05%
0	2	0.594	0.596	0.00	0.20%	0.23%
0	3	0.592	0.592	0.00	0.00%	0.00%
0	4	0.594	0.595	0.00	0.17%	0.19%
30	5	0.598	0.586	-0.01	-1.99%	2.29%
30	6	0.594	0.583	-0.01	-1.82%	2.08%
30	7	0.597	0.585	-0.01	-1.96%	2.25%
30	8	0.595	0.580	-0.01	-2.48%	2.83%
30	9	0.594	0.583	-0.01	-1.92%	2.20%
30	10	0.594	0.584	-0.01	-1.78%	2.04%
31	11	0.598	0.590	-0.01	-1.34%	1.54%
31	12	0.594	0.587	-0.01	-1.15%	1.32%
31	13	0.597	0.590	-0.01	-1.14%	1.31%
31	14	0.595	0.586	-0.01	-1.54%	1.77%
31	15	0.594	0.587	-0.01	-1.19%	1.36%
31	16	0.594	0.588	-0.01	-1.15%	1.32%
Max		0.598	0.596	0.00	0.20%	2.83%
Average		0.595	0.588	-0.01	-1.19%	1.42%
Min		0.591	0.580	-0.01	-2.48%	0.00%
Std Dev		0.002	0.004	0.00	0.86%	0.89%



VTN_3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	0.85			
Min Limit	0.33			
LL		0.33	0.33	0.33
Min		0.59	0.58	0.59
Average		0.59	0.58	0.59
Max		0.60	0.59	0.59
UL		0.85	0.85	0.85



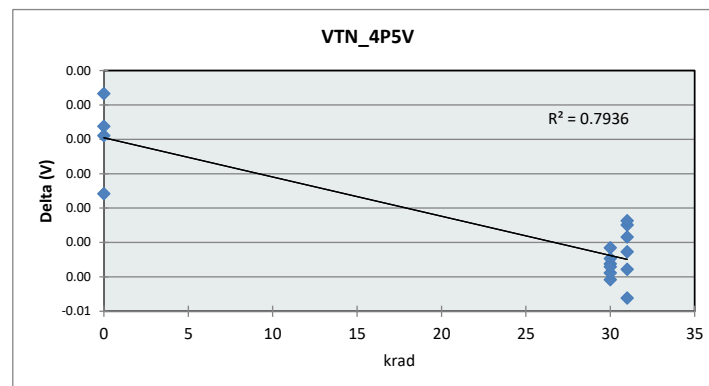


# TID Report

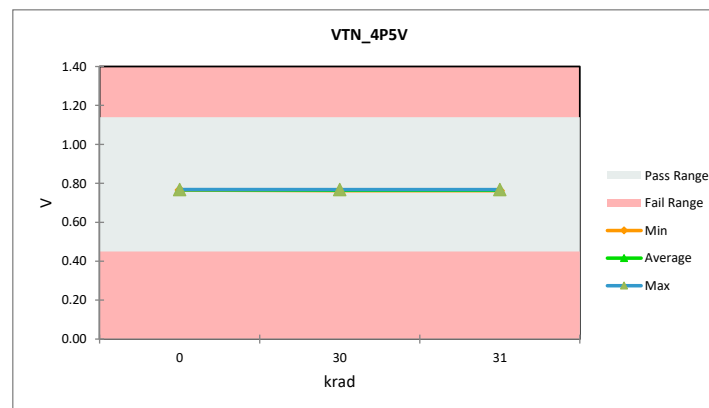
## SN54SC6T17-SEP

VTN_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.14
Min Limit	0.45

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.767	0.768	0.00	0.17%	0.19%
0	2	0.769	0.767	0.00	-0.21%	0.23%
0	3	0.765	0.765	0.00	0.01%	0.02%
0	4	0.767	0.768	0.00	0.05%	0.06%
30	5	0.770	0.767	0.00	-0.47%	0.52%
30	6	0.766	0.762	0.00	-0.45%	0.50%
30	7	0.771	0.768	0.00	-0.41%	0.46%
30	8	0.768	0.764	0.00	-0.53%	0.59%
30	9	0.766	0.763	0.00	-0.51%	0.56%
30	10	0.767	0.764	0.00	-0.48%	0.54%
31	11	0.770	0.768	0.00	-0.32%	0.36%
31	12	0.766	0.762	0.00	-0.43%	0.47%
31	13	0.771	0.766	0.00	-0.60%	0.67%
31	14	0.768	0.764	0.00	-0.49%	0.55%
31	15	0.766	0.764	0.00	-0.31%	0.34%
31	16	0.767	0.765	0.00	-0.37%	0.41%
Max		0.771	0.768	0.00	0.17%	0.67%
Average		0.768	0.765	0.00	-0.33%	0.40%
Min		0.765	0.762	0.00	-0.60%	0.02%
Std Dev		0.002	0.002	0.00	0.23%	0.19%



VTN_4P5V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.14		
Min Limit	0.45		
	0	30	31
LL	0.45	0.45	0.45
Min	0.77	0.76	0.76
Average	0.77	0.76	0.76
Max	0.77	0.77	0.77
UL	1.14	1.14	1.14

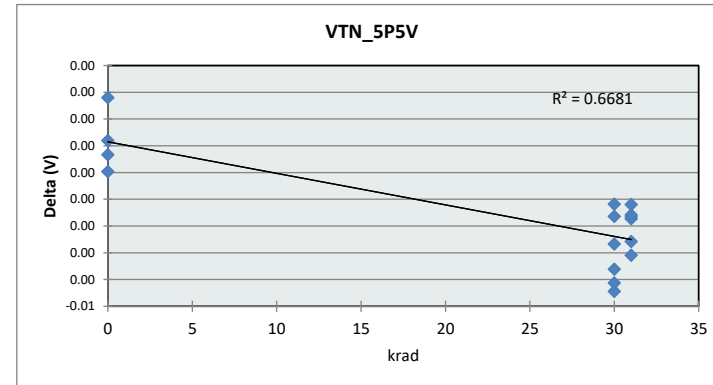


# TID Report

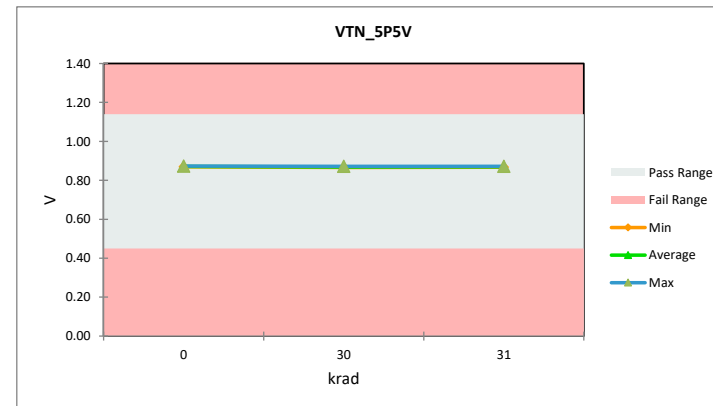
## SN54SC6T17-SEP

VTN_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.14
Min Limit	0.45

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.871	0.873	0.00	0.32%	0.41%
0	2	0.871	0.872	0.00	0.14%	0.17%
0	3	0.870	0.870	0.00	0.00%	0.00%
0	4	0.869	0.870	0.00	0.08%	0.10%
30	5	0.873	0.871	0.00	-0.31%	0.39%
30	6	0.869	0.868	0.00	-0.14%	0.17%
30	7	0.874	0.872	0.00	-0.19%	0.24%
30	8	0.871	0.868	0.00	-0.41%	0.52%
30	9	0.871	0.867	0.00	-0.51%	0.64%
30	10	0.870	0.866	0.00	-0.47%	0.60%
31	11	0.873	0.871	0.00	-0.30%	0.37%
31	12	0.869	0.868	0.00	-0.14%	0.17%
31	13	0.874	0.872	0.00	-0.19%	0.24%
31	14	0.871	0.870	0.00	-0.20%	0.25%
31	15	0.871	0.868	0.00	-0.36%	0.45%
31	16	0.870	0.869	0.00	-0.18%	0.23%
Max		0.874	0.873	0.00	0.32%	0.64%
Average		0.871	0.870	0.00	-0.18%	0.31%
Min		0.869	0.866	0.00	-0.51%	0.00%
Std Dev		0.002	0.002	0.00	0.23%	0.18%



VTN_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	1.14			
Min Limit	0.45			
LL		0.45	0.45	0.45
Min		0.87	0.87	0.87
Average		0.87	0.87	0.87
Max		0.87	0.87	0.87
UL		1.14	1.14	1.14

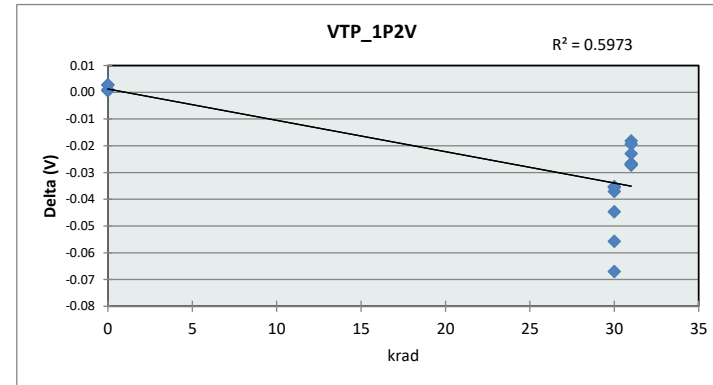


# TID Report

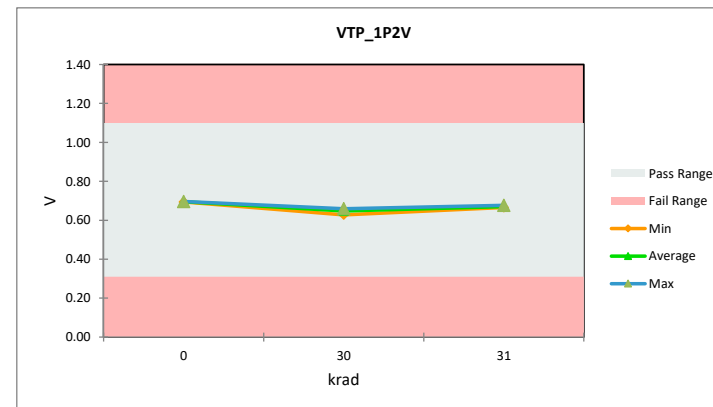
## SN54SC6T17-SEP

VTP_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.1
Min Limit	0.31

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.694	0.694	0.00	0.09%	0.08%
0	2	0.694	0.696	0.00	0.39%	0.34%
0	3	0.693	0.694	0.00	0.15%	0.13%
0	4	0.693	0.696	0.00	0.40%	0.35%
30	5	0.695	0.628	-0.07	-9.65%	8.48%
30	6	0.695	0.659	-0.04	-5.12%	4.50%
30	7	0.694	0.657	-0.04	-5.33%	4.69%
30	8	0.696	0.640	-0.06	-8.01%	7.05%
30	9	0.692	0.648	-0.04	-6.45%	5.65%
30	10	0.690	0.655	-0.04	-5.11%	4.46%
31	11	0.695	0.668	-0.03	-3.82%	3.36%
31	12	0.695	0.677	-0.02	-2.62%	2.30%
31	13	0.694	0.675	-0.02	-2.79%	2.46%
31	14	0.696	0.668	-0.03	-3.91%	3.44%
31	15	0.692	0.665	-0.03	-3.90%	3.42%
31	16	0.690	0.668	-0.02	-3.32%	2.90%
Max		0.696	0.696	0.00	0.40%	8.48%
Average		0.694	0.668	-0.03	-3.69%	3.35%
Min		0.690	0.628	-0.06	-9.65%	0.08%
Std Dev		0.002	0.020	0.02	2.98%	2.46%



VTP_1P2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.1		
Min Limit	0.31		
krad	0	30	31
LL	0.31	0.31	0.31
Min	0.69	0.63	0.67
Average	0.70	0.65	0.67
Max	0.70	0.66	0.68
UL	1.10	1.10	1.10

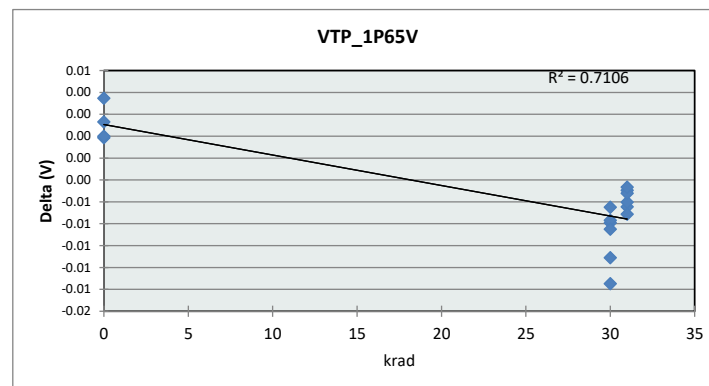


# TID Report

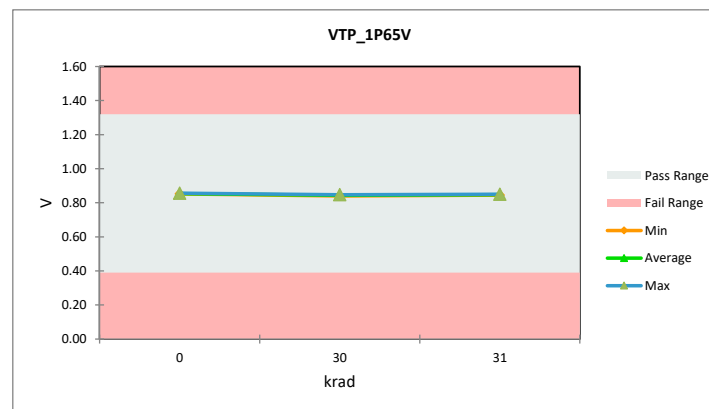
## SN54SC6T17-SEP

VTP_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.32
Min Limit	0.39

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.853	0.853	0.00	-0.02%	0.01%
0	2	0.853	0.856	0.00	0.41%	0.37%
0	3	0.852	0.852	0.00	0.00%	0.00%
0	4	0.852	0.853	0.00	0.15%	0.14%
30	5	0.853	0.840	-0.01	-1.58%	1.45%
30	6	0.855	0.847	-0.01	-0.93%	0.85%
30	7	0.854	0.846	-0.01	-0.90%	0.83%
30	8	0.855	0.844	-0.01	-1.30%	1.19%
30	9	0.851	0.842	-0.01	-1.00%	0.91%
30	10	0.850	0.843	-0.01	-0.76%	0.70%
31	11	0.853	0.847	-0.01	-0.76%	0.69%
31	12	0.855	0.850	0.00	-0.58%	0.53%
31	13	0.854	0.847	-0.01	-0.83%	0.77%
31	14	0.855	0.849	-0.01	-0.70%	0.65%
31	15	0.851	0.845	-0.01	-0.61%	0.56%
31	16	0.850	0.845	0.00	-0.55%	0.50%
Max		0.855	0.856	0.00	0.41%	1.45%
Average		0.853	0.848	-0.01	-0.62%	0.64%
Min		0.850	0.840	-0.01	-1.58%	0.00%
Std Dev		0.002	0.005	0.00	0.53%	0.39%



VTP_1P65V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	1.32			
Min Limit	0.39			
LL		0.39	0.39	0.39
Min		0.85	0.84	0.85
Average		0.85	0.84	0.85
Max		0.86	0.85	0.85
UL		1.32	1.32	1.32

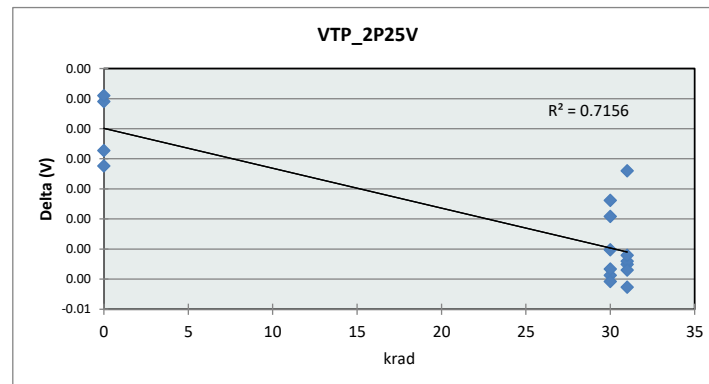


# TID Report

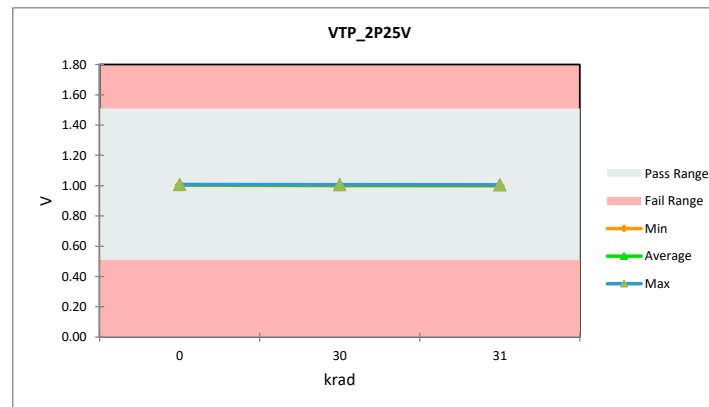
## SN54SC6T17-SEP

VTP_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.51
Min Limit	0.51

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.006	1.007	0.00	0.03%	0.03%
0	2	1.006	1.008	0.00	0.19%	0.19%
0	3	1.004	1.004	0.00	-0.02%	0.02%
0	4	1.005	1.007	0.00	0.21%	0.21%
30	5	1.005	1.003	0.00	-0.14%	0.14%
30	6	1.009	1.005	0.00	-0.38%	0.39%
30	7	1.009	1.007	0.00	-0.19%	0.19%
30	8	1.009	1.006	0.00	-0.36%	0.37%
30	9	1.004	1.000	0.00	-0.41%	0.41%
30	10	1.003	1.000	0.00	-0.30%	0.30%
31	11	1.005	1.004	0.00	-0.04%	0.04%
31	12	1.009	1.005	0.00	-0.35%	0.35%
31	13	1.009	1.005	0.00	-0.34%	0.34%
31	14	1.009	1.006	0.00	-0.37%	0.37%
31	15	1.004	1.000	0.00	-0.32%	0.32%
31	16	1.003	0.999	0.00	-0.42%	0.43%
Max		1.009	1.008	0.00	0.21%	0.43%
Average		1.006	1.004	0.00	-0.20%	0.26%
Min		1.003	0.999	0.00	-0.42%	0.02%
Std Dev		0.002	0.003	0.00	0.21%	0.14%



VTP_2P25V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	1.51			
Min Limit	0.51			
LL		0.51	0.51	0.51
Min		1.00	1.00	1.00
Average		1.01	1.00	1.00
Max		1.01	1.01	1.01
UL		1.51	1.51	1.51

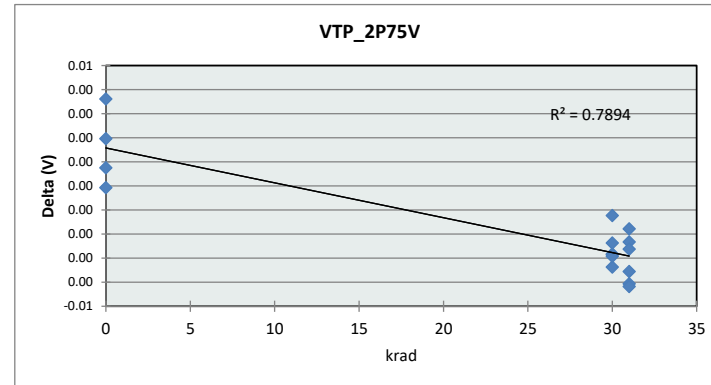


# TID Report

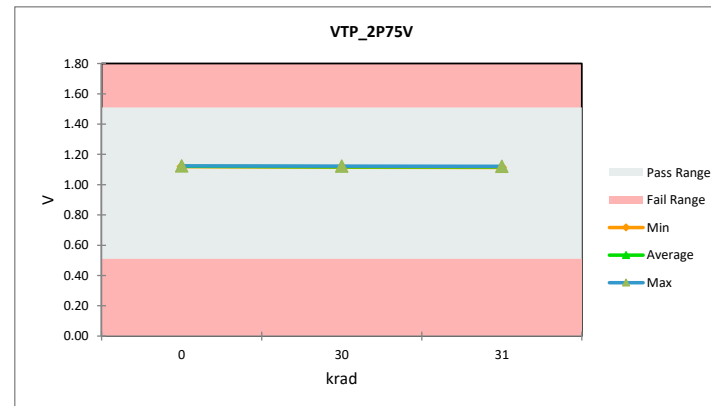
## SN54SC6T17-SEP

VTP_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.51
Min Limit	0.51

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.122	1.122	0.00	-0.01%	0.01%
0	2	1.120	1.124	0.00	0.32%	0.36%
0	3	1.117	1.119	0.00	0.18%	0.20%
0	4	1.120	1.121	0.00	0.07%	0.08%
30	5	1.121	1.118	0.00	-0.25%	0.29%
30	6	1.123	1.120	0.00	-0.30%	0.34%
30	7	1.123	1.122	0.00	-0.11%	0.12%
30	8	1.124	1.121	0.00	-0.25%	0.28%
30	9	1.118	1.115	0.00	-0.26%	0.29%
30	10	1.118	1.115	0.00	-0.21%	0.24%
31	11	1.121	1.119	0.00	-0.16%	0.18%
31	12	1.123	1.121	0.00	-0.21%	0.23%
31	13	1.123	1.119	0.00	-0.36%	0.41%
31	14	1.124	1.121	0.00	-0.23%	0.26%
31	15	1.118	1.115	0.00	-0.32%	0.36%
31	16	1.118	1.114	0.00	-0.37%	0.42%
Max		1.124	1.124	0.00	0.32%	0.42%
Average		1.121	1.119	0.00	-0.16%	0.25%
Min		1.117	1.114	0.00	-0.37%	0.01%
Std Dev		0.002	0.003	0.00	0.20%	0.12%



VTP_2P75V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.51		
Min Limit	0.51		
	0	30	31
LL	0.51	0.51	0.51
Min	1.12	1.12	1.11
Average	1.12	1.12	1.12
Max	1.12	1.12	1.12
UL	1.51	1.51	1.51

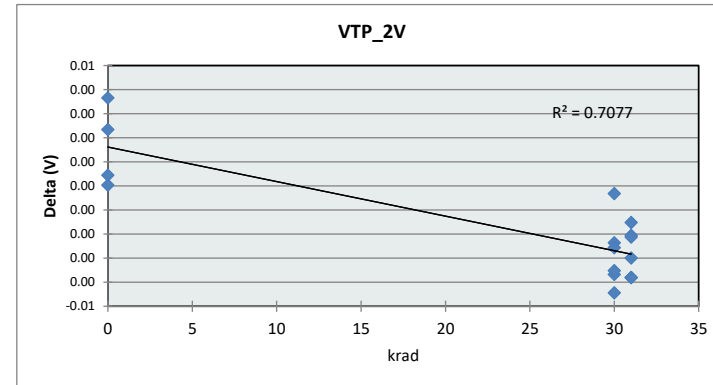


# TID Report

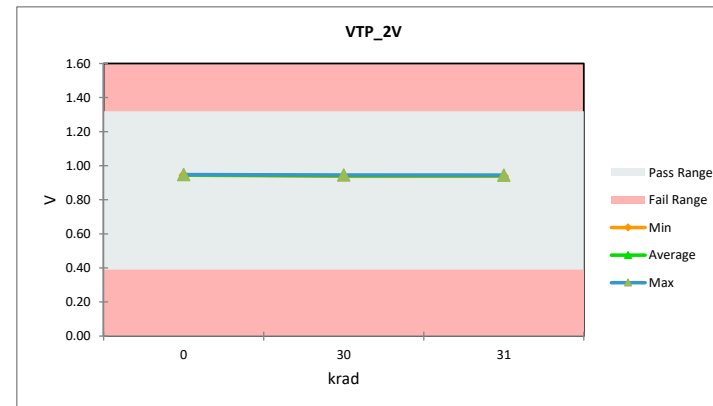
## SN54SC6T17-SEP

VTP_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.32
Min Limit	0.39

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.945	0.945	0.00	0.00%	0.00%
0	2	0.944	0.948	0.00	0.39%	0.39%
0	3	0.944	0.944	0.00	0.05%	0.05%
0	4	0.944	0.946	0.00	0.25%	0.25%
30	5	0.945	0.941	0.00	-0.39%	0.40%
30	6	0.945	0.943	0.00	-0.25%	0.25%
30	7	0.945	0.945	0.00	-0.03%	0.03%
30	8	0.947	0.944	0.00	-0.37%	0.38%
30	9	0.941	0.939	0.00	-0.27%	0.28%
30	10	0.942	0.938	0.00	-0.47%	0.48%
31	11	0.945	0.941	0.00	-0.40%	0.41%
31	12	0.945	0.943	0.00	-0.22%	0.22%
31	13	0.945	0.944	0.00	-0.16%	0.16%
31	14	0.947	0.945	0.00	-0.22%	0.23%
31	15	0.941	0.938	0.00	-0.32%	0.32%
31	16	0.942	0.938	0.00	-0.40%	0.41%
	Max	0.947	0.948	0.00	0.39%	0.48%
	Average	0.944	0.943	0.00	-0.18%	0.27%
	Min	0.941	0.938	0.00	-0.47%	0.00%
	Std Dev	0.002	0.003	0.00	0.25%	0.15%



VTP_2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	1.32			
Min Limit	0.39			
LL		0.39	0.39	0.39
Min		0.94	0.94	0.94
Average		0.95	0.94	0.94
Max		0.95	0.95	0.94
UL		1.32	1.32	1.32

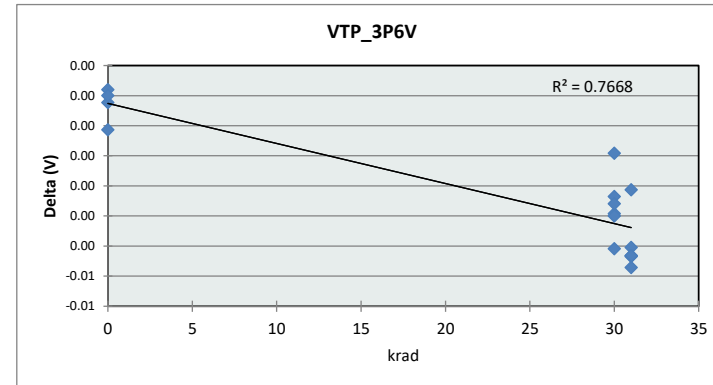


# TID Report

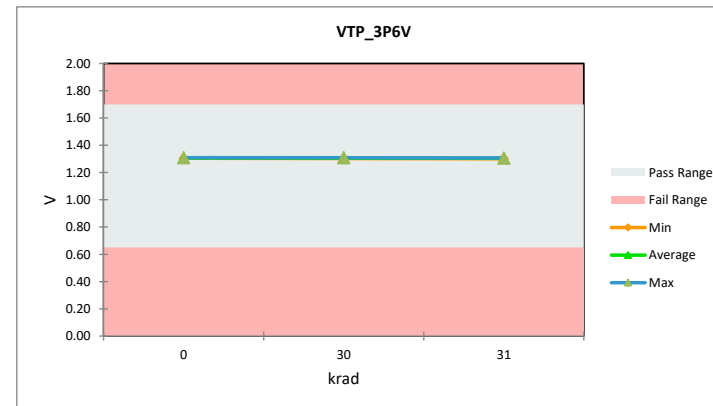
## SN54SC6T17-SEP

VTP_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.7
Min Limit	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.307	1.308	0.00	0.09%	0.11%
0	2	1.308	1.308	0.00	-0.01%	0.01%
0	3	1.304	1.305	0.00	0.06%	0.07%
0	4	1.305	1.306	0.00	0.08%	0.10%
30	5	1.307	1.306	0.00	-0.07%	0.09%
30	6	1.311	1.306	0.00	-0.31%	0.39%
30	7	1.311	1.309	0.00	-0.18%	0.22%
30	8	1.310	1.307	0.00	-0.22%	0.28%
30	9	1.306	1.303	0.00	-0.23%	0.29%
30	10	1.305	1.303	0.00	-0.20%	0.25%
31	11	1.307	1.305	0.00	-0.16%	0.20%
31	12	1.311	1.306	0.00	-0.31%	0.39%
31	13	1.311	1.306	0.00	-0.36%	0.45%
31	14	1.310	1.306	0.00	-0.33%	0.41%
31	15	1.306	1.301	0.00	-0.33%	0.41%
31	16	1.305	1.301	0.00	-0.33%	0.41%
Max		1.311	1.309	0.00	0.09%	0.45%
Average		1.308	1.305	0.00	-0.18%	0.25%
Min		1.304	1.301	0.00	-0.36%	0.01%
Std Dev		0.002	0.002	0.00	0.16%	0.15%



VTP_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	1.7			
Min Limit	0.65			
LL		0.65	0.65	0.65
Min		1.30	1.30	1.30
Average		1.31	1.31	1.30
Max		1.31	1.31	1.31
UL		1.70	1.70	1.70



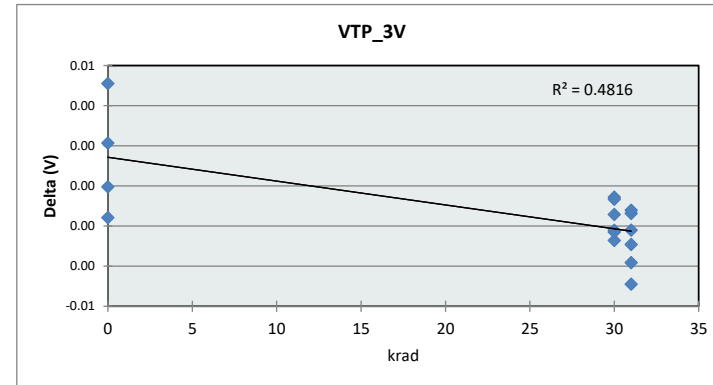


# TID Report

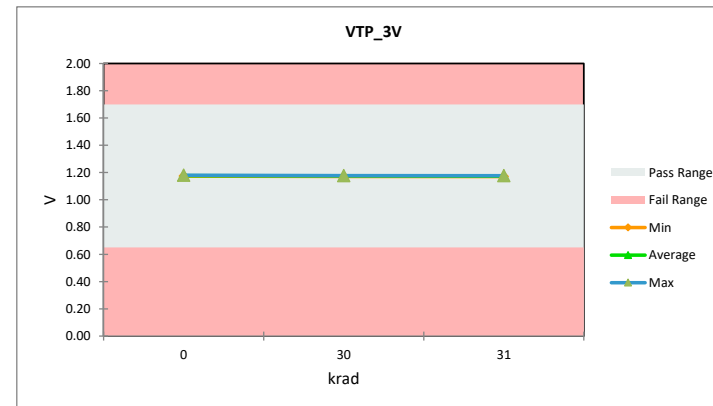
## SN54SC6T17-SEP

VTP_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	1.7
Min Limit	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.178	1.176	0.00	-0.13%	0.15%
0	2	1.175	1.180	0.01	0.43%	0.49%
0	3	1.174	1.174	0.00	0.00%	0.00%
0	4	1.176	1.178	0.00	0.18%	0.20%
30	5	1.176	1.176	0.00	-0.05%	0.05%
30	6	1.178	1.175	0.00	-0.23%	0.26%
30	7	1.179	1.178	0.00	-0.06%	0.06%
30	8	1.179	1.177	0.00	-0.19%	0.21%
30	9	1.173	1.172	0.00	-0.12%	0.14%
30	10	1.174	1.172	0.00	-0.20%	0.22%
31	11	1.176	1.175	0.00	-0.12%	0.13%
31	12	1.178	1.177	0.00	-0.10%	0.12%
31	13	1.179	1.174	0.00	-0.42%	0.47%
31	14	1.179	1.176	0.00	-0.25%	0.28%
31	15	1.173	1.171	0.00	-0.19%	0.21%
31	16	1.174	1.170	0.00	-0.33%	0.36%
Max		1.179	1.180	0.00	0.43%	0.49%
Average		1.176	1.175	0.00	-0.11%	0.21%
Min		1.173	1.170	0.00	-0.42%	0.00%
Std Dev		0.002	0.003	0.00	0.20%	0.14%



VTP_3V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	1.7		
Min Limit	0.65		
	0	30	31
LL	0.65	0.65	0.65
Min	1.17	1.17	1.17
Average	1.18	1.18	1.17
Max	1.18	1.18	1.18
UL	1.70	1.70	1.70

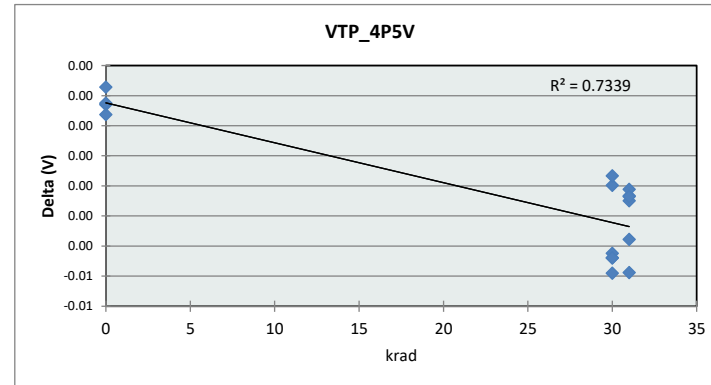


# TID Report

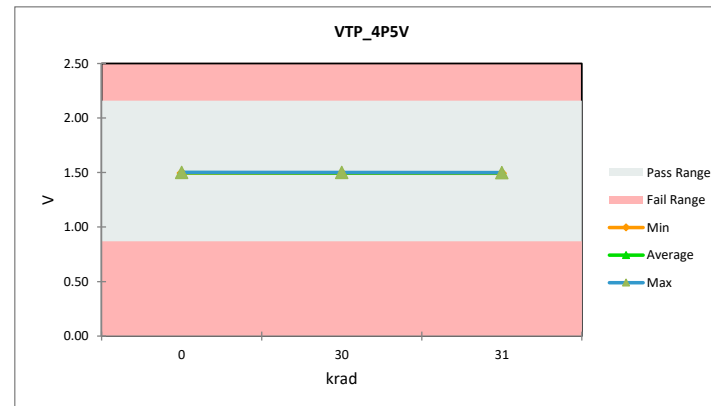
## SN54SC6T17-SEP

VTP_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	2.16
Min Limit	0.87

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.499	1.500	0.00	0.02%	0.03%
0	2	1.501	1.502	0.00	0.05%	0.05%
0	3	1.494	1.496	0.00	0.09%	0.10%
0	4	1.497	1.497	0.00	0.05%	0.06%
30	5	1.499	1.497	0.00	-0.13%	0.15%
30	6	1.502	1.497	0.00	-0.29%	0.34%
30	7	1.502	1.500	0.00	-0.11%	0.13%
30	8	1.501	1.497	0.00	-0.28%	0.33%
30	9	1.498	1.494	0.00	-0.29%	0.34%
30	10	1.499	1.494	0.00	-0.33%	0.38%
31	11	1.499	1.497	0.00	-0.16%	0.18%
31	12	1.502	1.499	0.00	-0.14%	0.16%
31	13	1.502	1.498	0.00	-0.25%	0.29%
31	14	1.501	1.499	0.00	-0.17%	0.19%
31	15	1.498	1.496	0.00	-0.16%	0.18%
31	16	1.499	1.494	0.00	-0.33%	0.38%
Max		1.502	1.502	0.00	0.09%	0.38%
Average		1.499	1.497	0.00	-0.15%	0.21%
Min		1.494	1.494	0.00	-0.33%	0.03%
Std Dev		0.002	0.002	0.00	0.14%	0.12%



VTP_4P5V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774400		
Units	V		
Max Limit	2.16		
Min Limit	0.87		
	0	30	31
LL	0.87	0.87	0.87
Min	1.50	1.49	1.49
Average	1.50	1.50	1.50
Max	1.50	1.50	1.50
UL	2.16	2.16	2.16

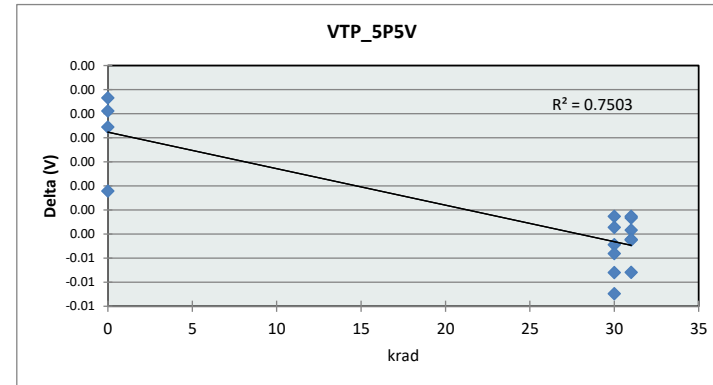


# TID Report

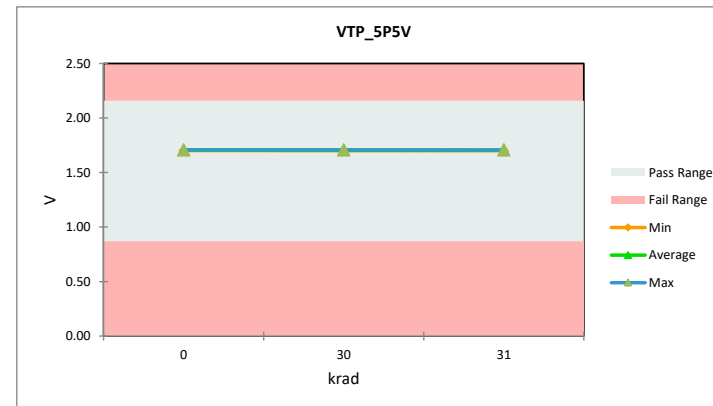
## SN54SC6T17-SEP

VTP_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774400
Units	V
Max Limit	2.16
Min Limit	0.87

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.706	1.706	0.00	0.03%	0.03%
0	2	1.707	1.709	0.00	0.10%	0.13%
0	3	1.704	1.702	0.00	-0.13%	0.17%
0	4	1.703	1.705	0.00	0.07%	0.09%
30	5	1.708	1.702	-0.01	-0.38%	0.50%
30	6	1.710	1.705	0.00	-0.26%	0.34%
30	7	1.711	1.707	0.00	-0.22%	0.29%
30	8	1.709	1.705	0.00	-0.19%	0.25%
30	9	1.706	1.701	0.00	-0.28%	0.37%
30	10	1.707	1.701	-0.01	-0.33%	0.43%
31	11	1.708	1.704	0.00	-0.25%	0.33%
31	12	1.710	1.706	0.00	-0.19%	0.26%
31	13	1.711	1.707	0.00	-0.22%	0.30%
31	14	1.709	1.705	0.00	-0.19%	0.25%
31	15	1.706	1.702	0.00	-0.25%	0.33%
31	16	1.707	1.701	-0.01	-0.33%	0.43%
Max		1.711	1.709	0.00	0.10%	0.50%
Average		1.708	1.704	0.00	-0.19%	0.28%
Min		1.703	1.701	0.00	-0.38%	0.03%
Std Dev		0.002	0.003	0.00	0.14%	0.13%



VTP_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774400			
Units	V			
Max Limit	2.16			
Min Limit	0.87			
LL		0.87	0.87	0.87
Min		1.70	1.70	1.70
Average		1.71	1.70	1.70
Max		1.71	1.71	1.71
UL		2.16	2.16	2.16



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